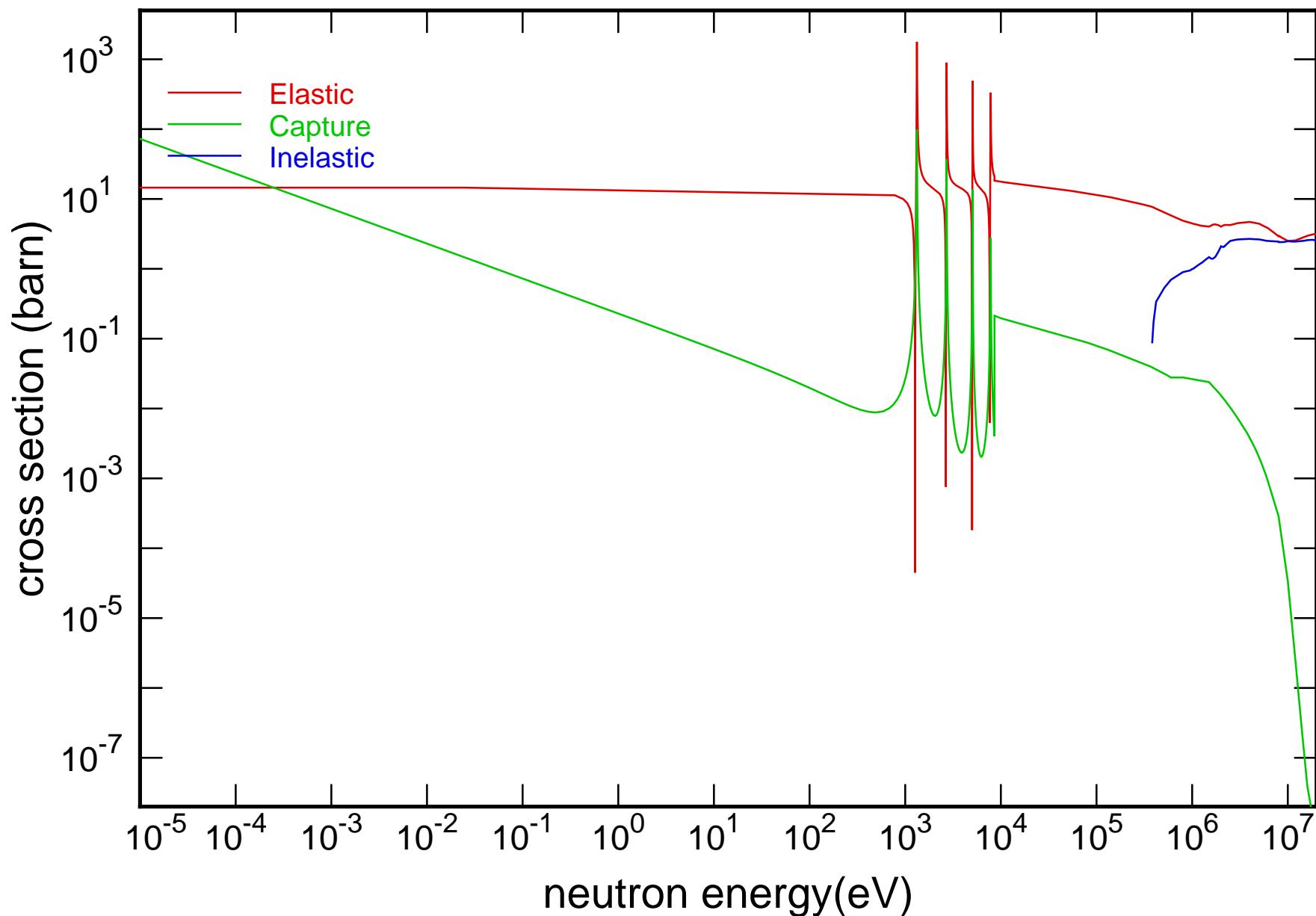
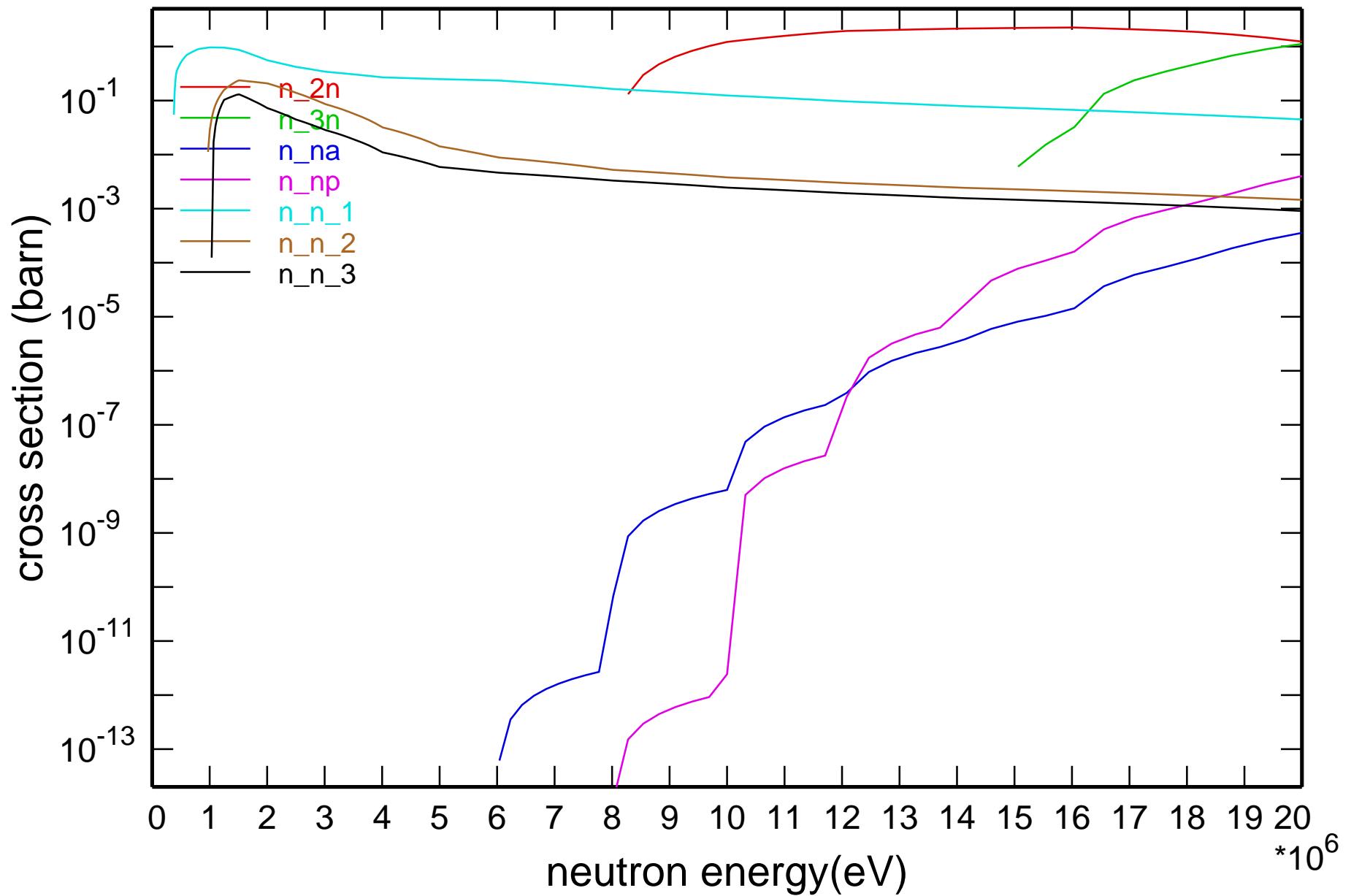


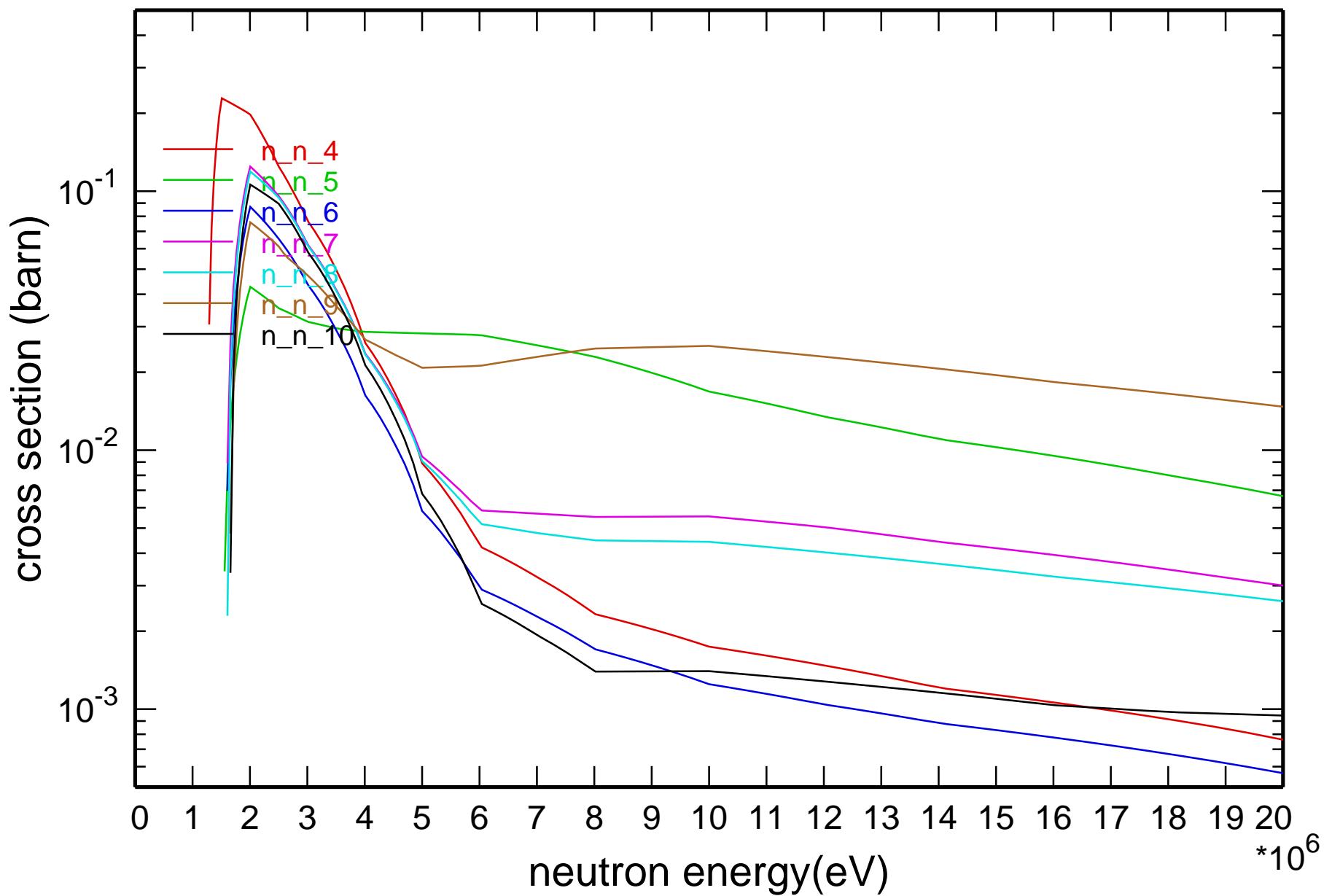
## Main Cross Sections



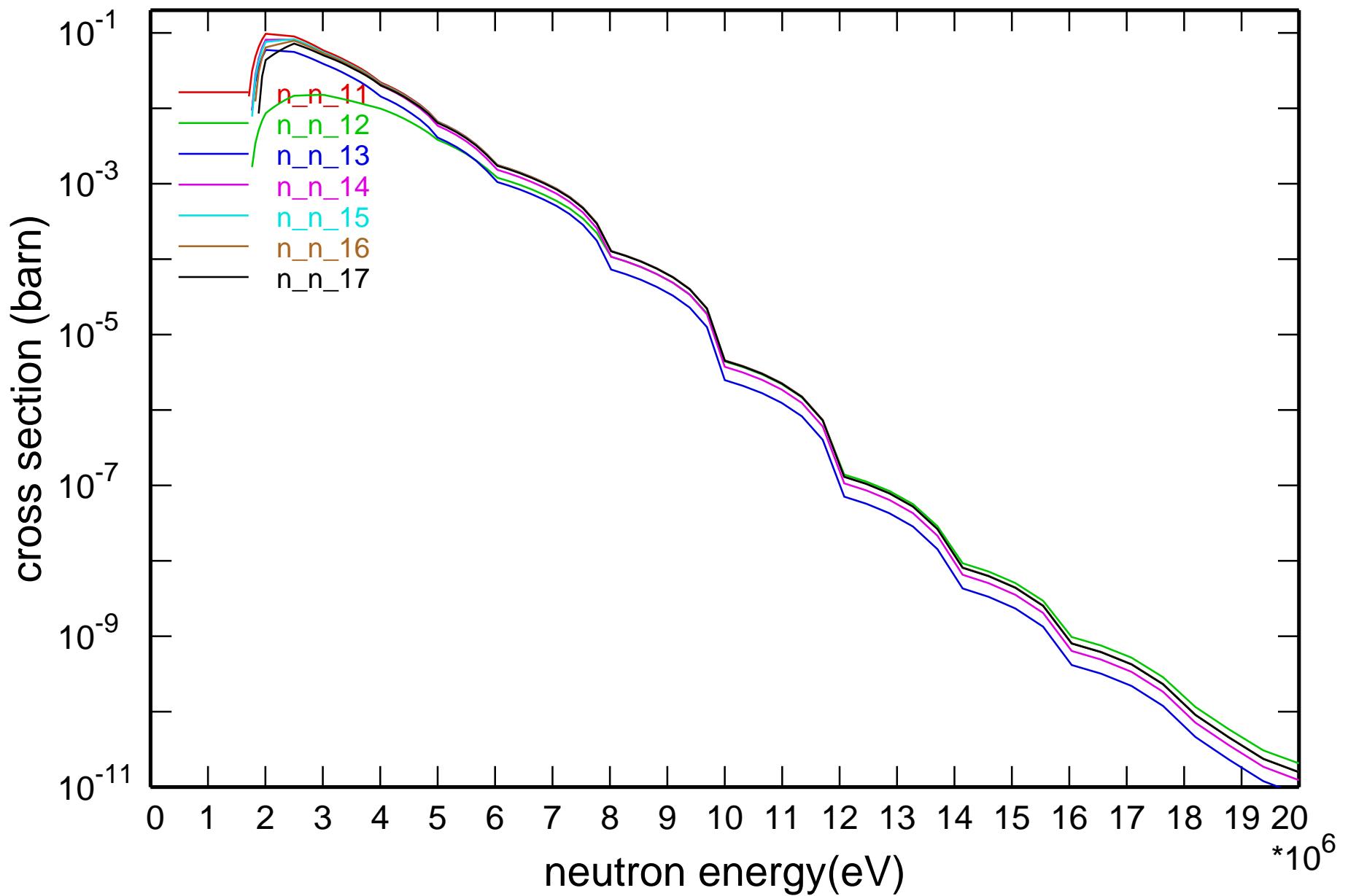
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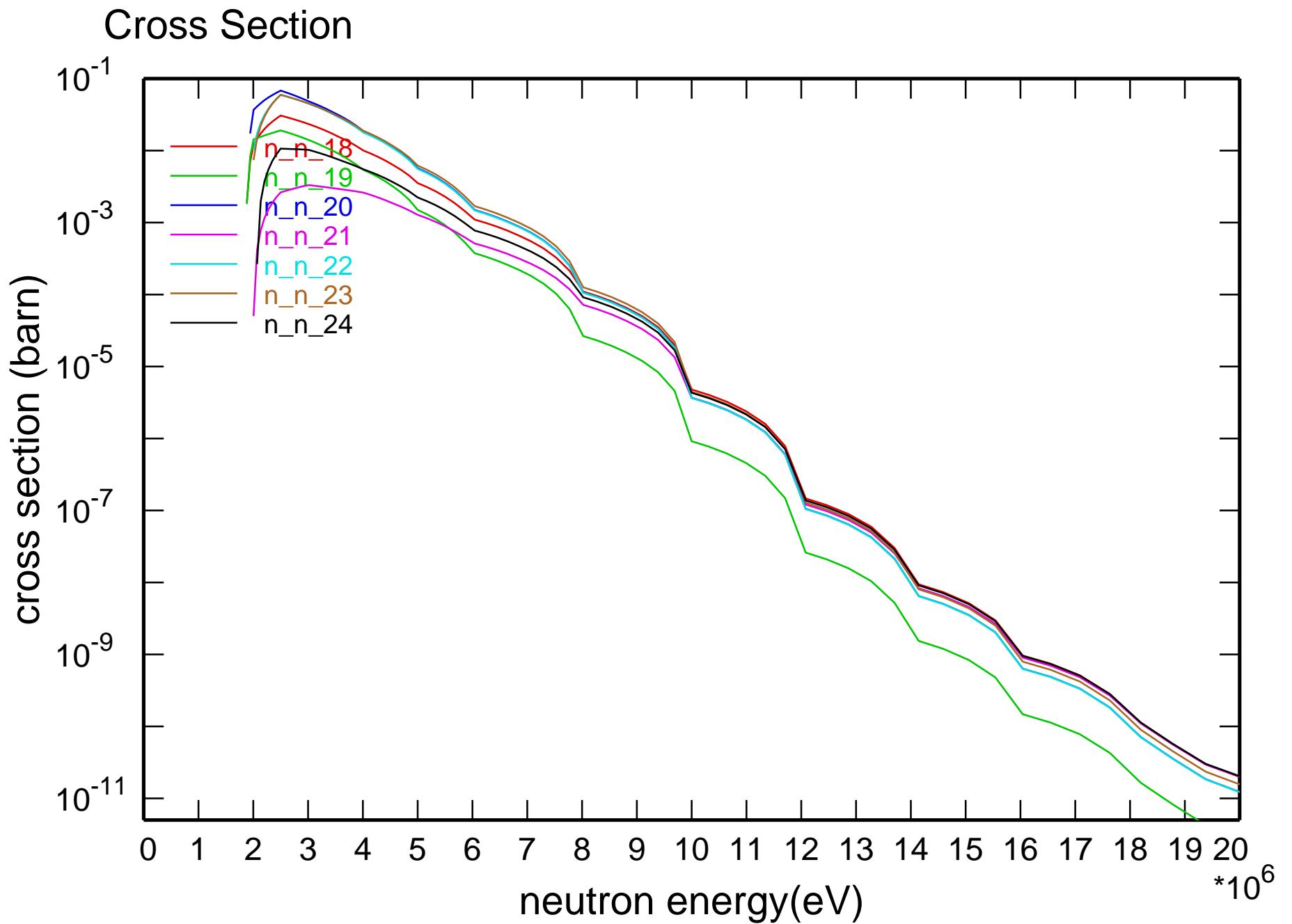


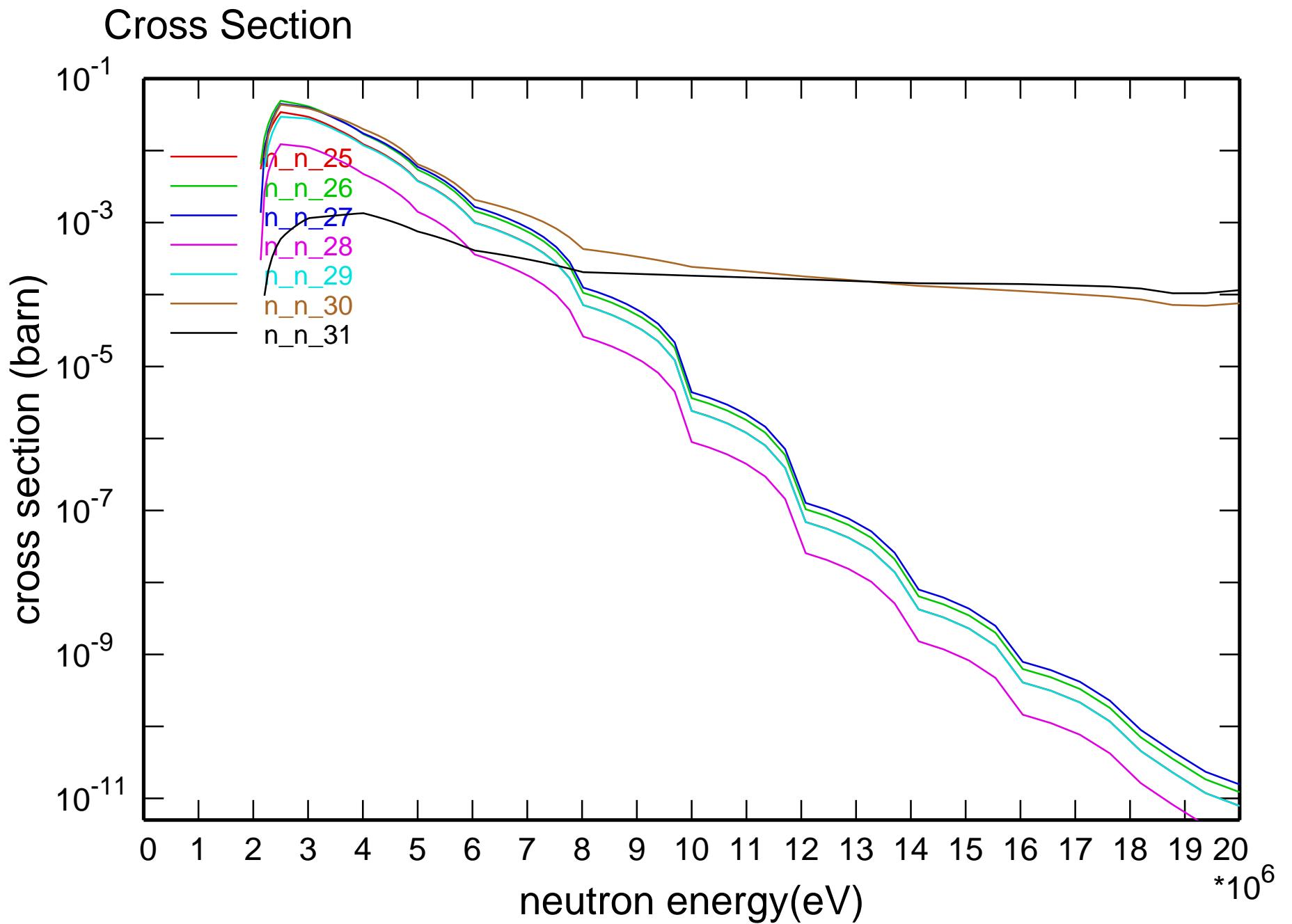
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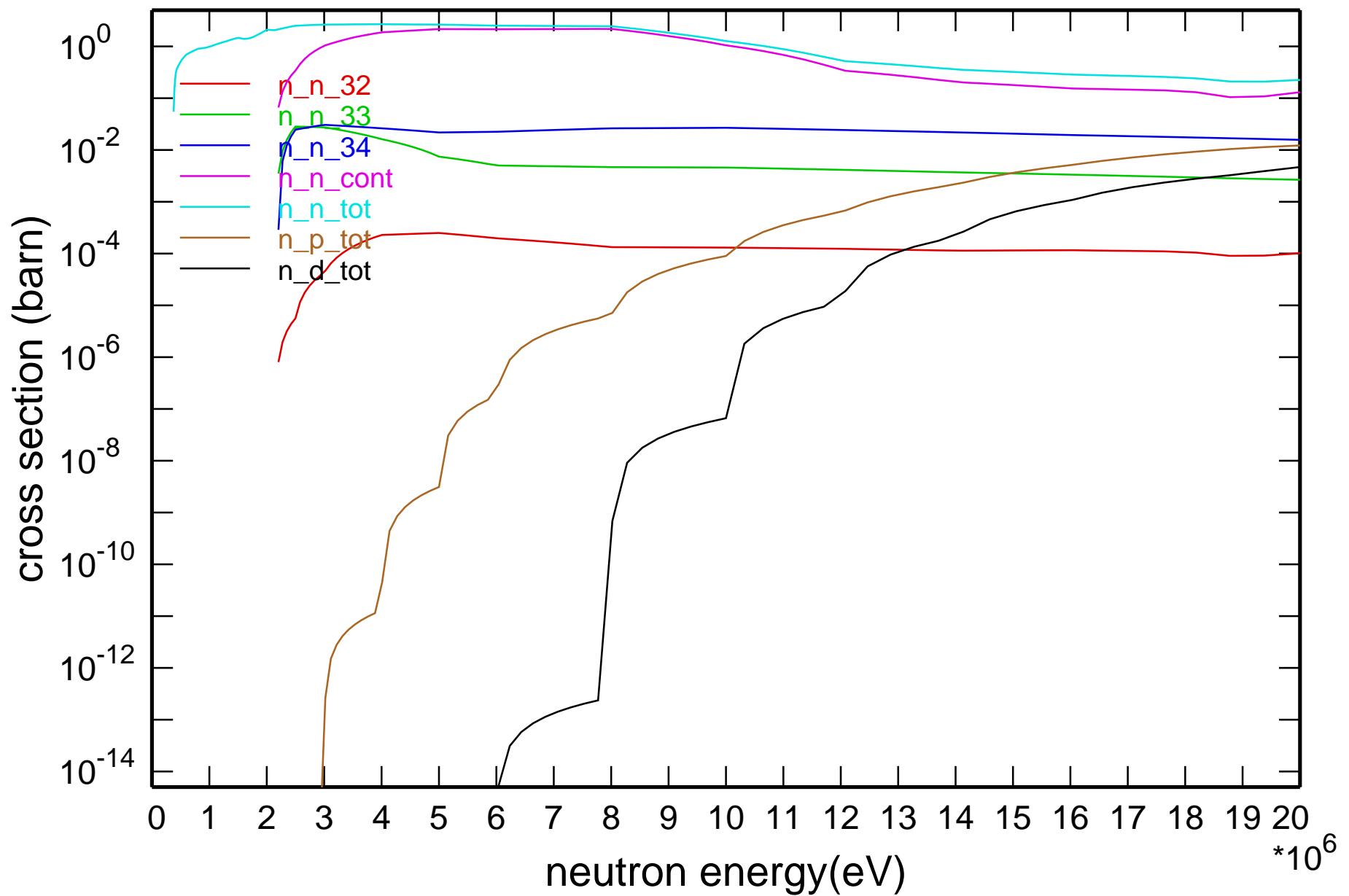
# Cross Section



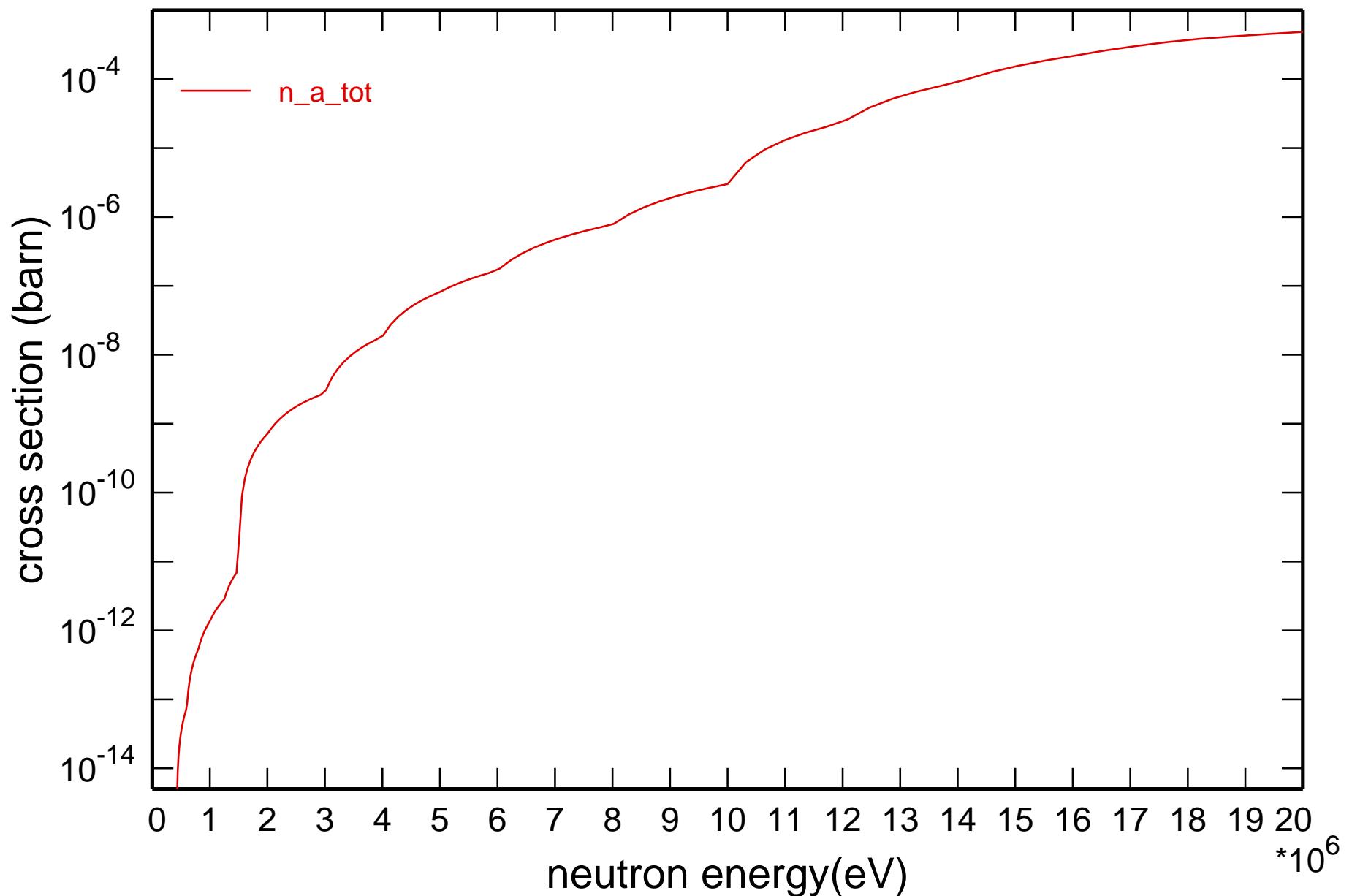


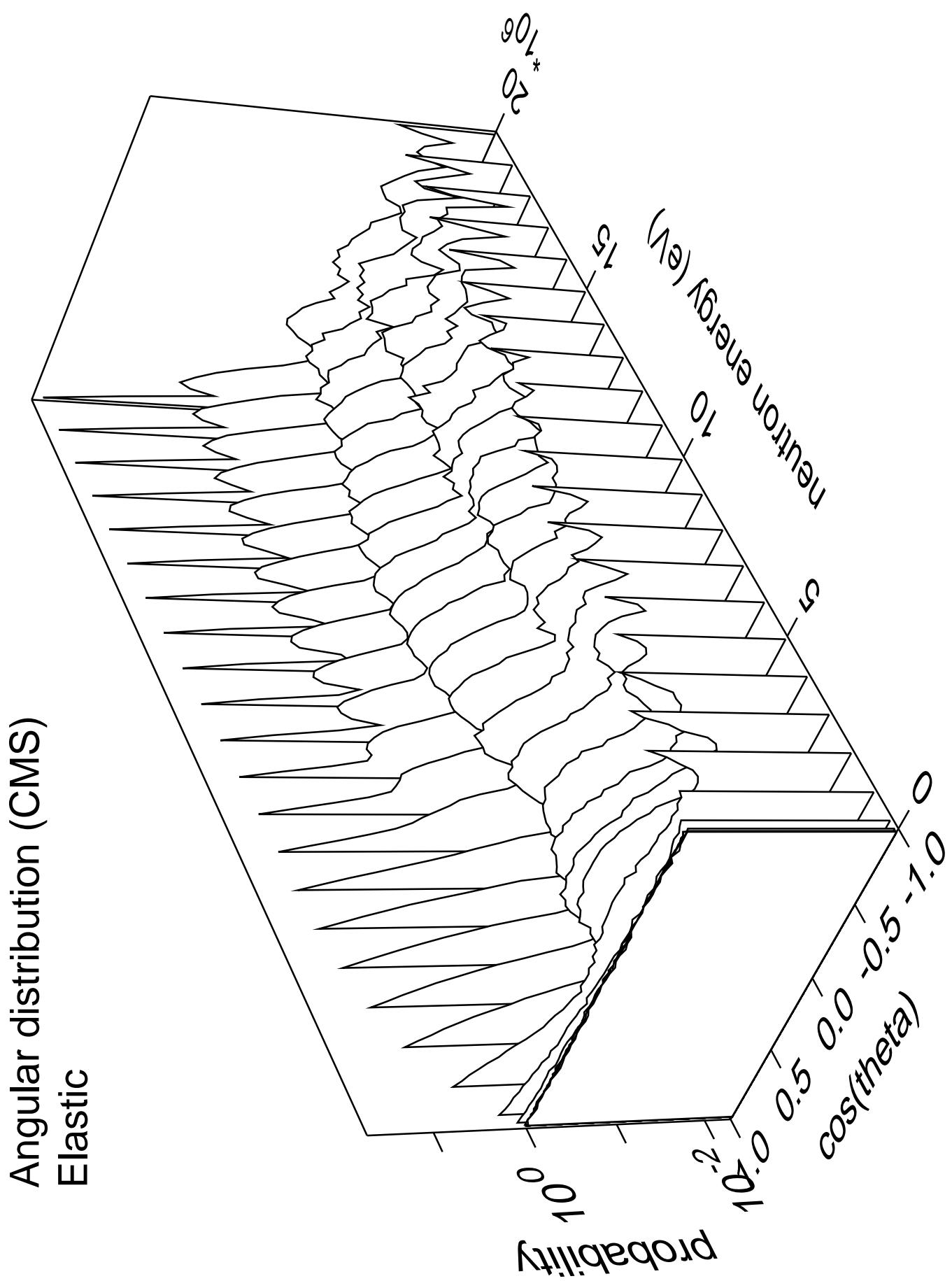


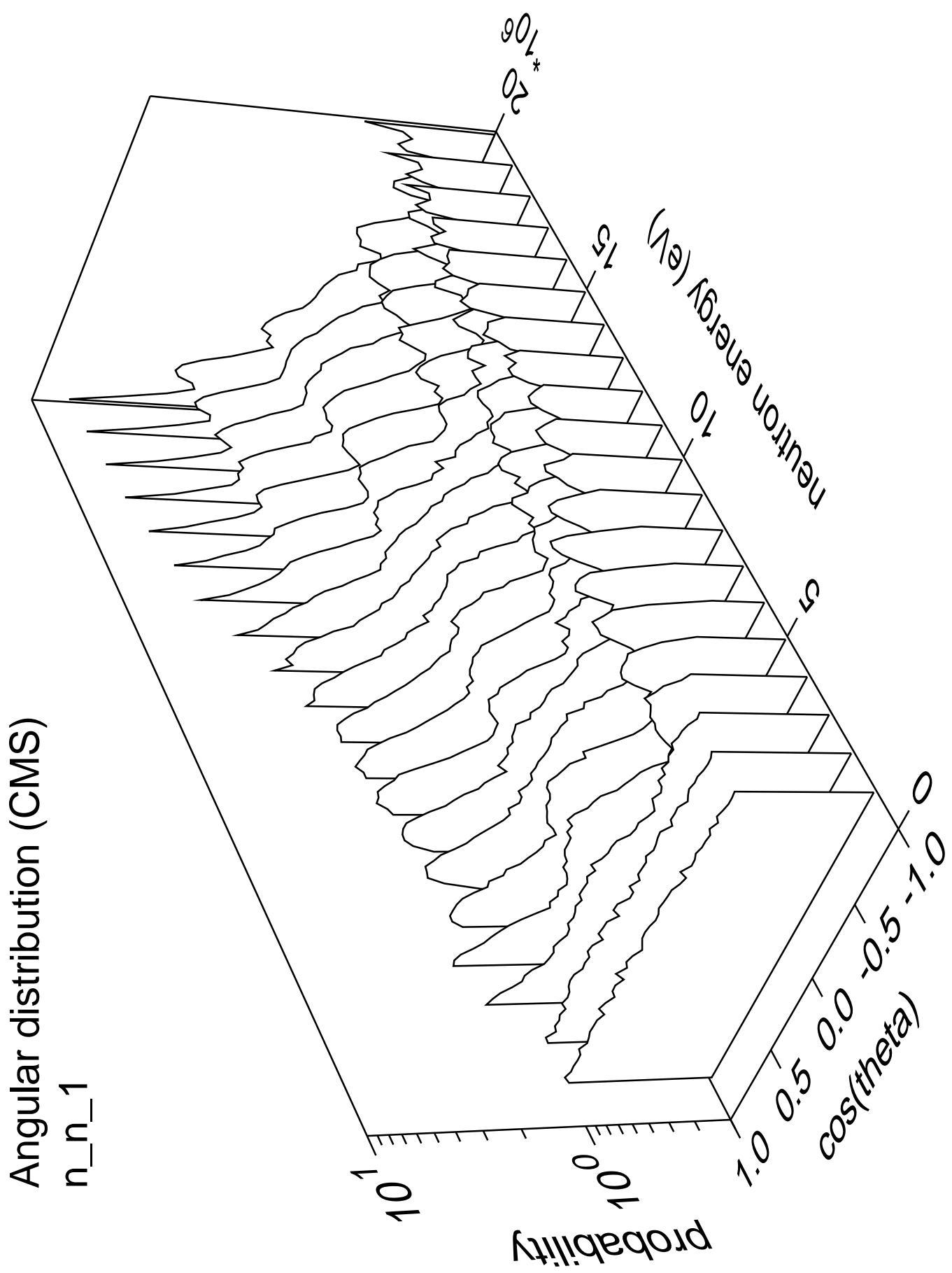
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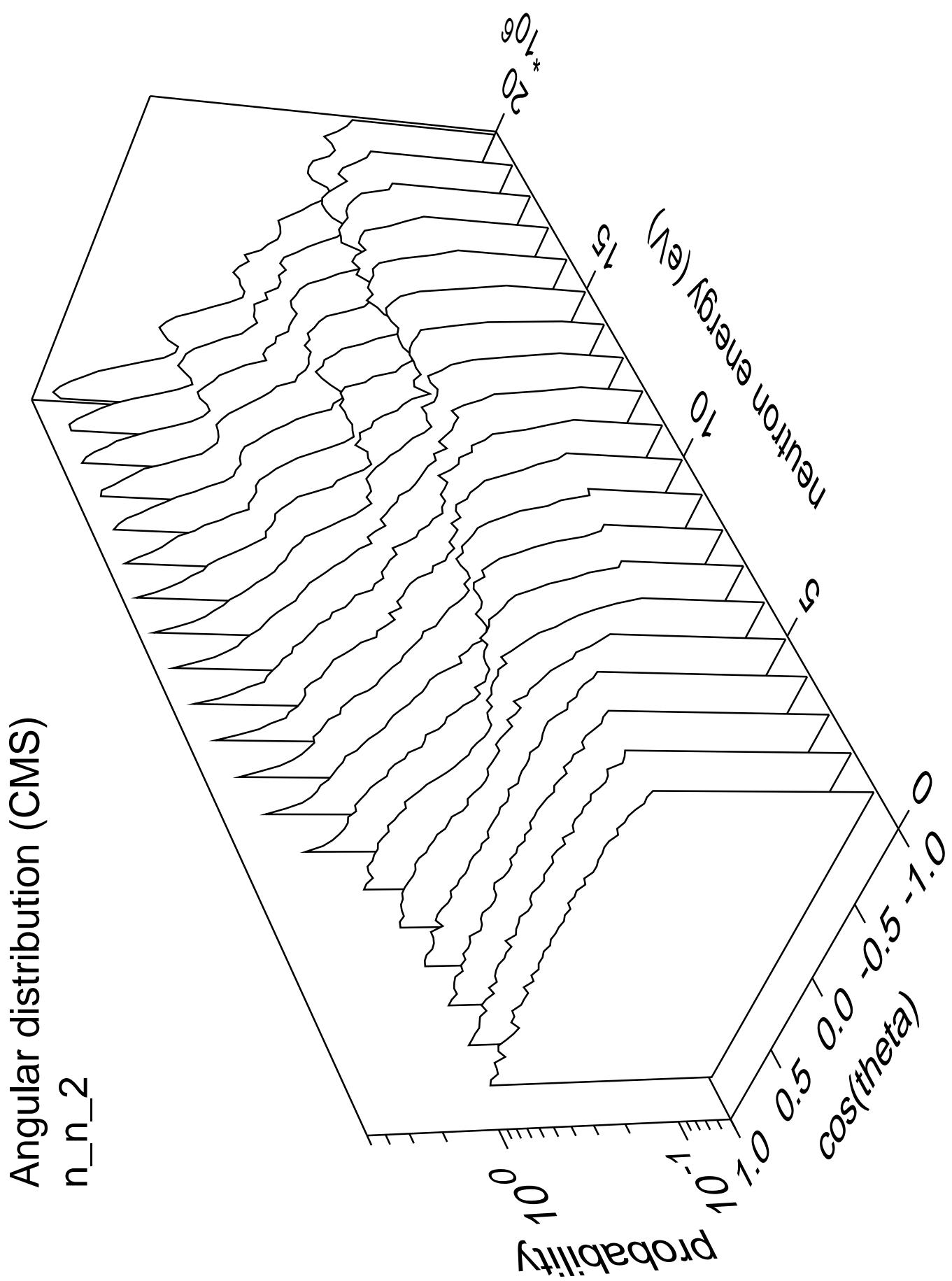


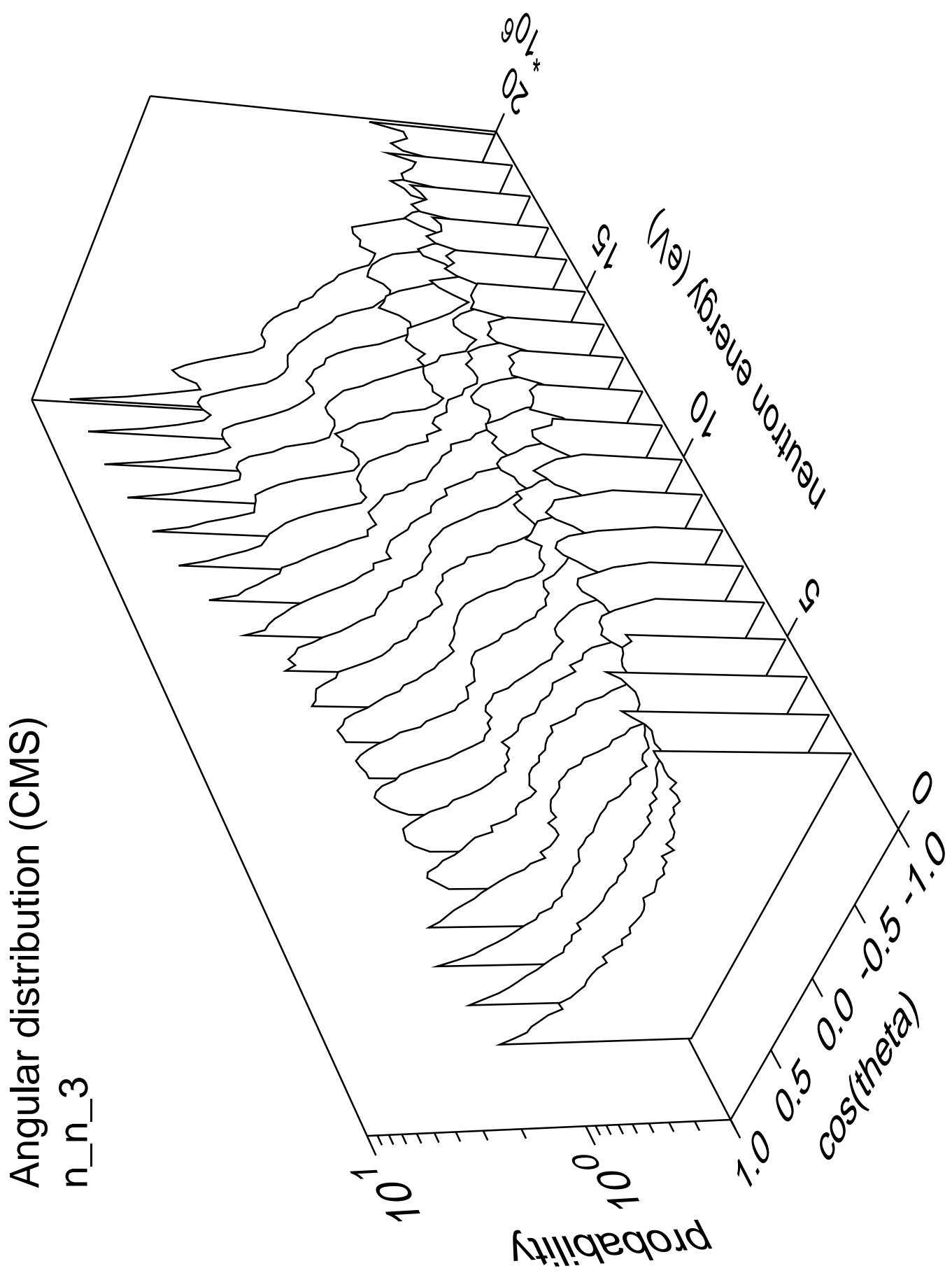
## Cross Section

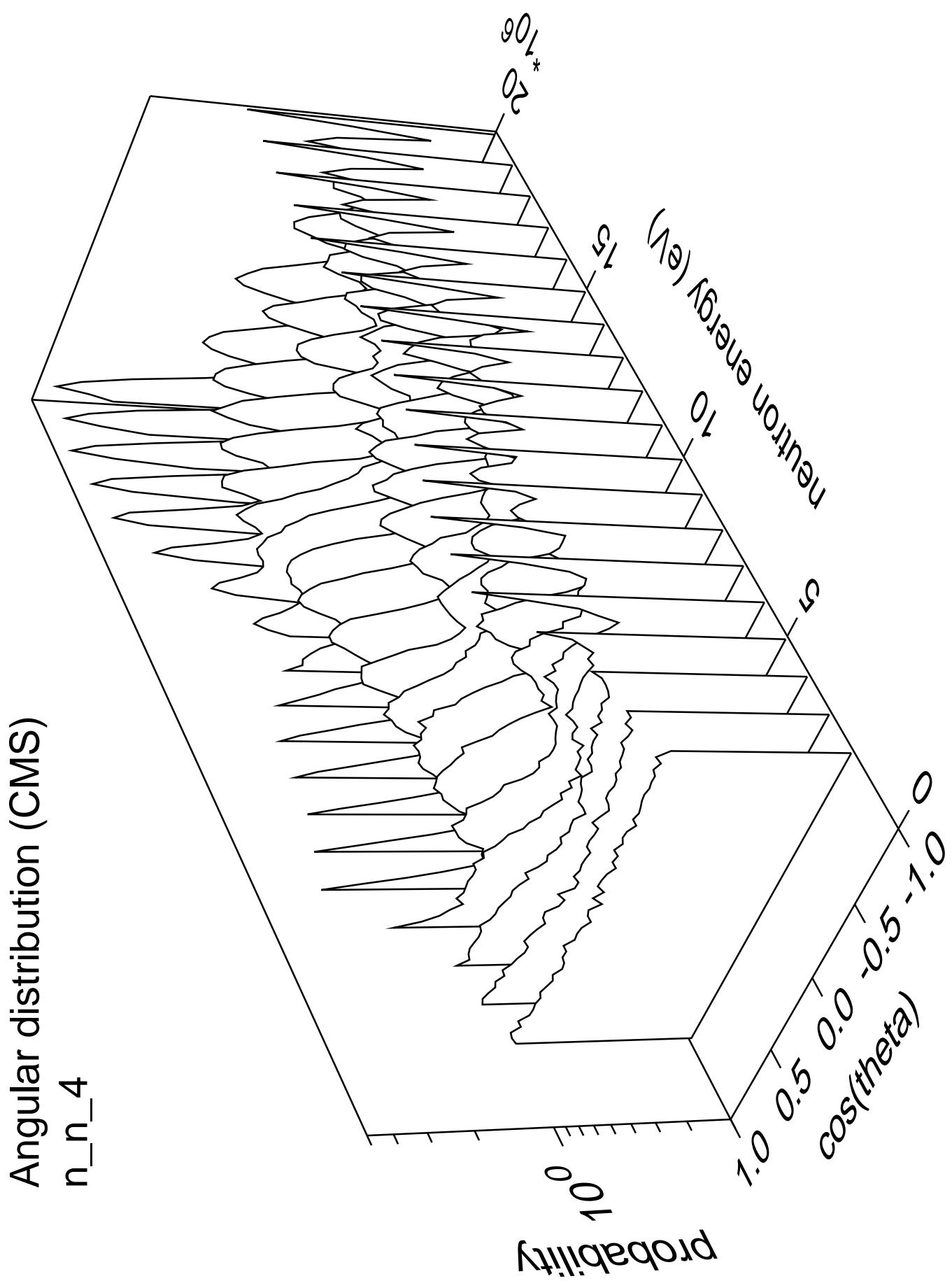


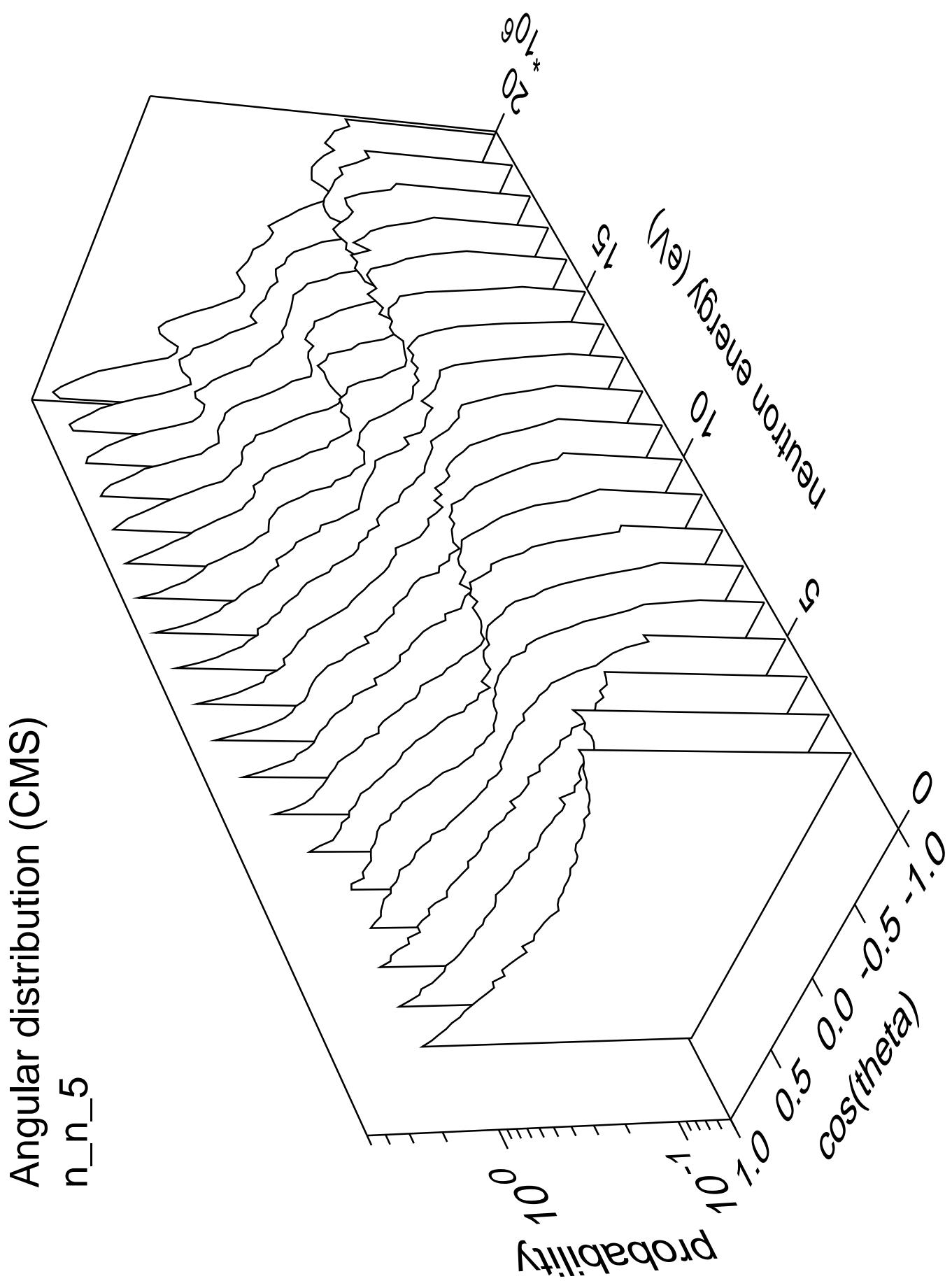


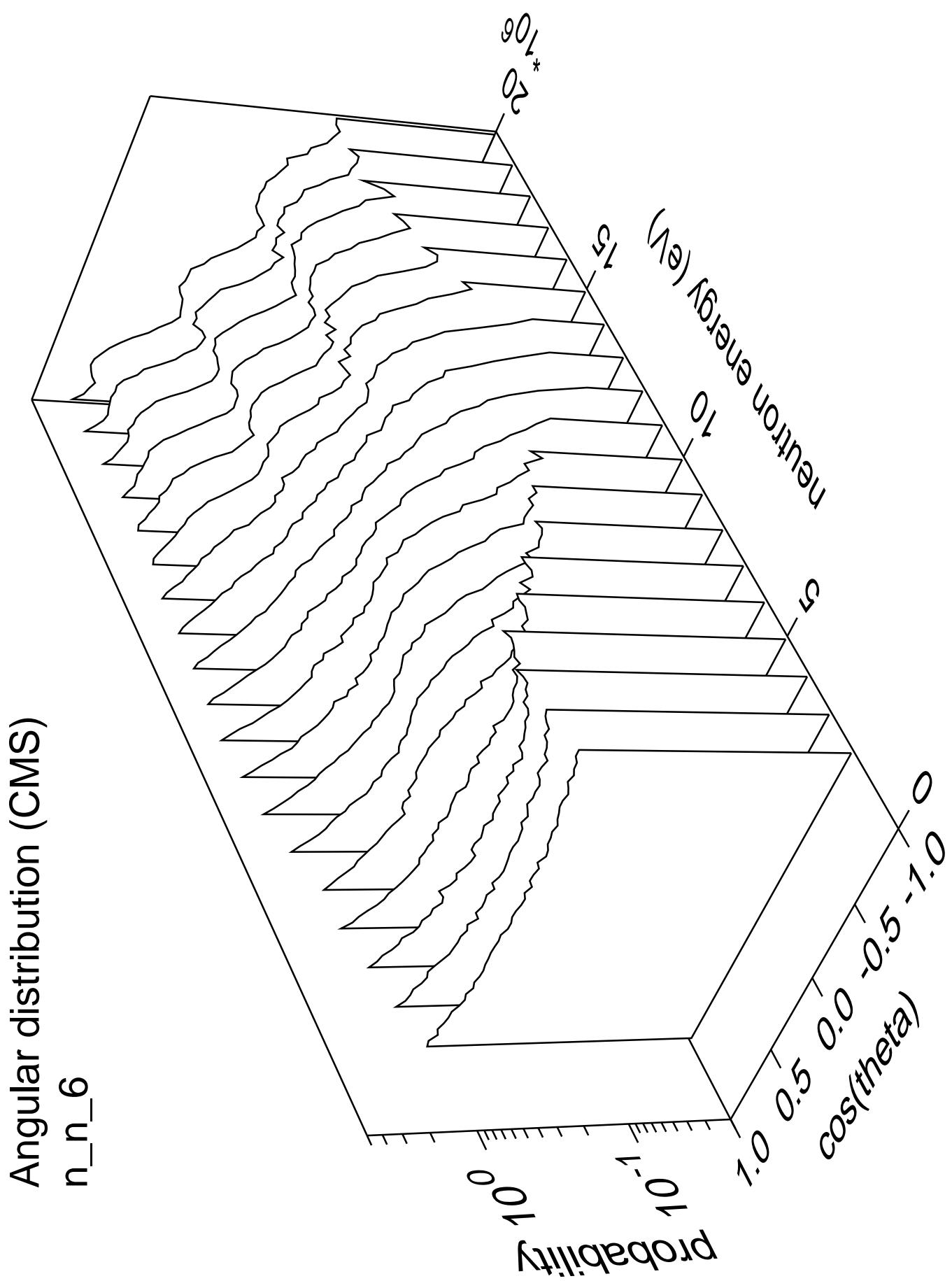


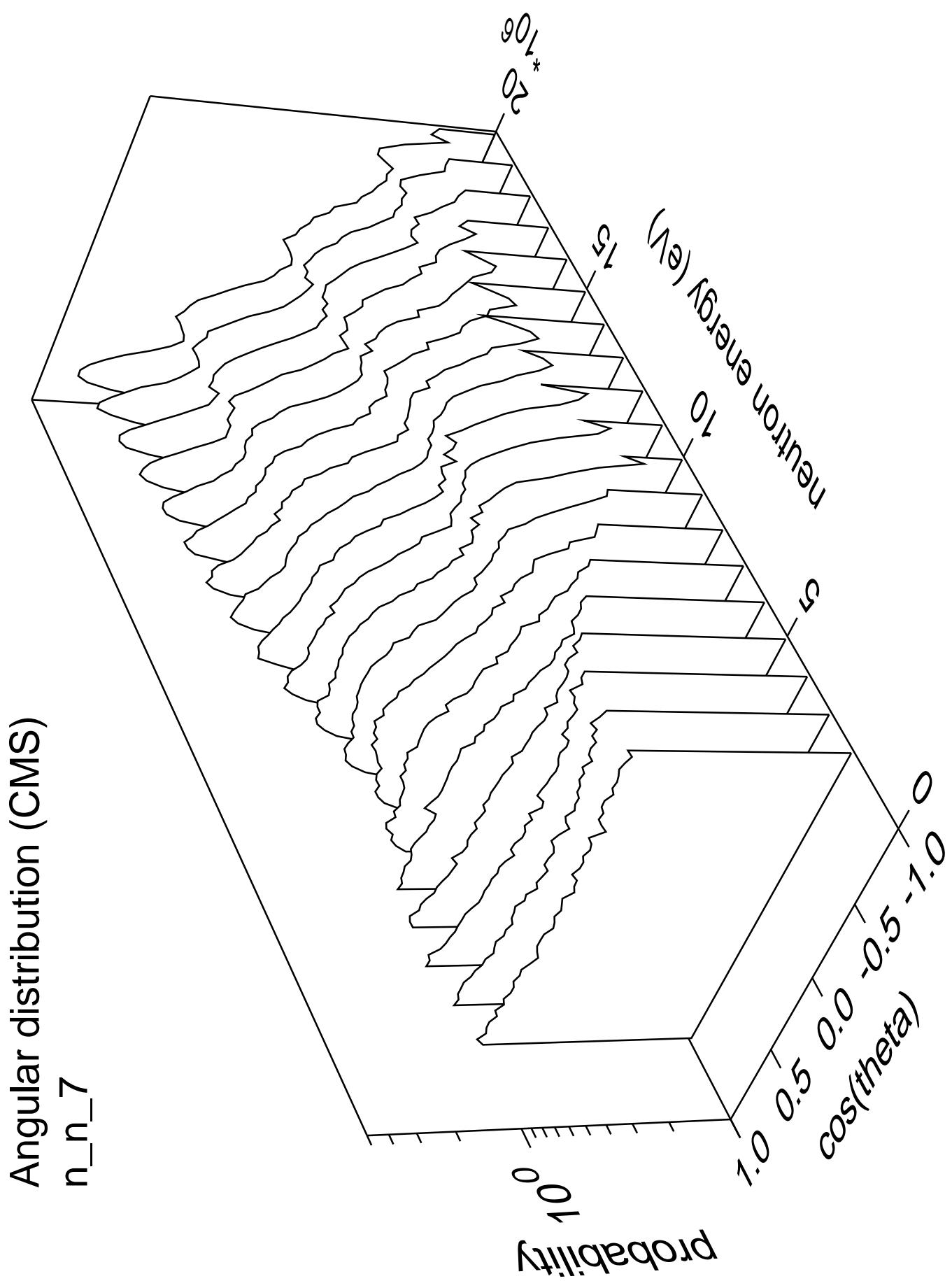


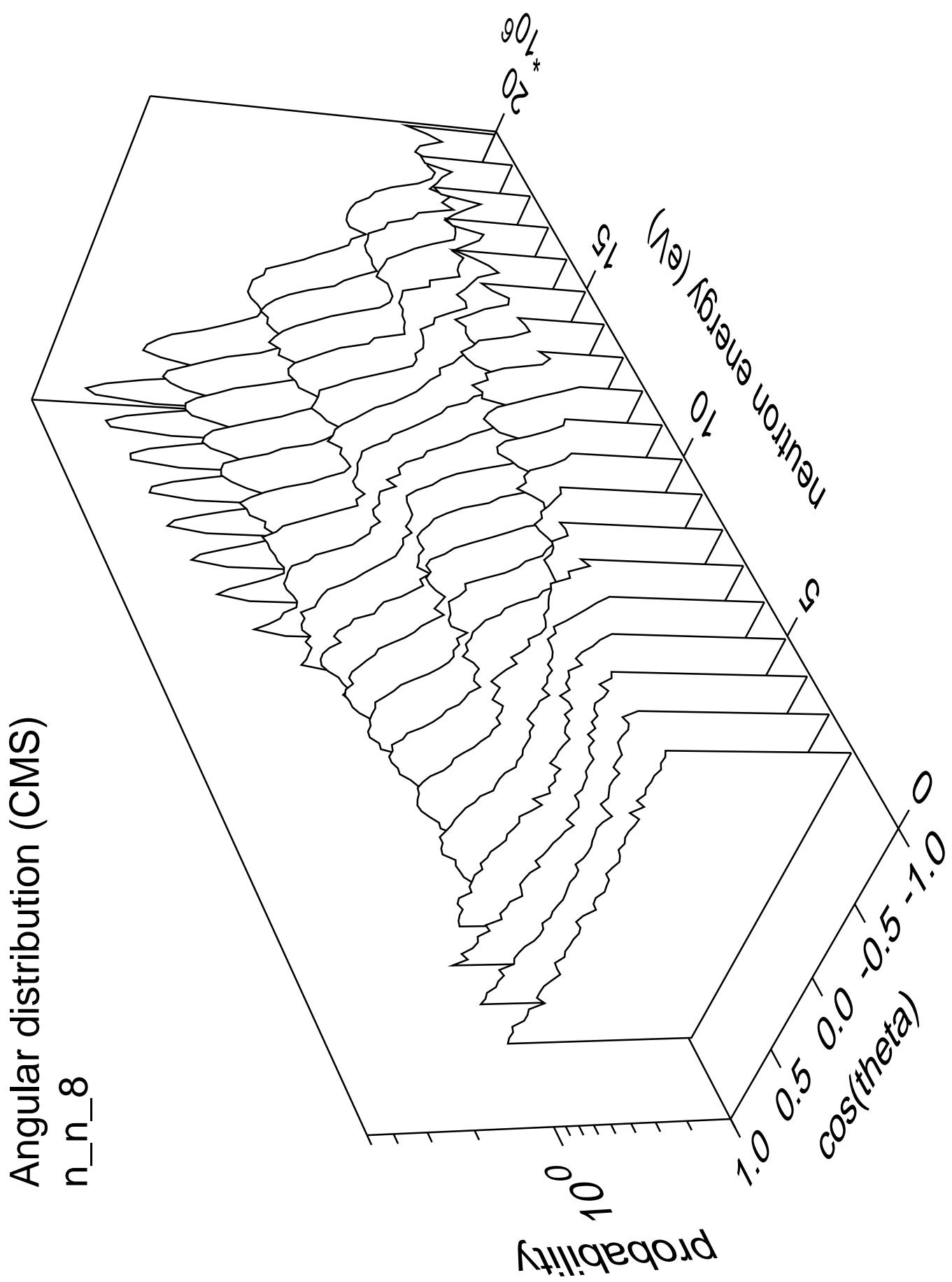


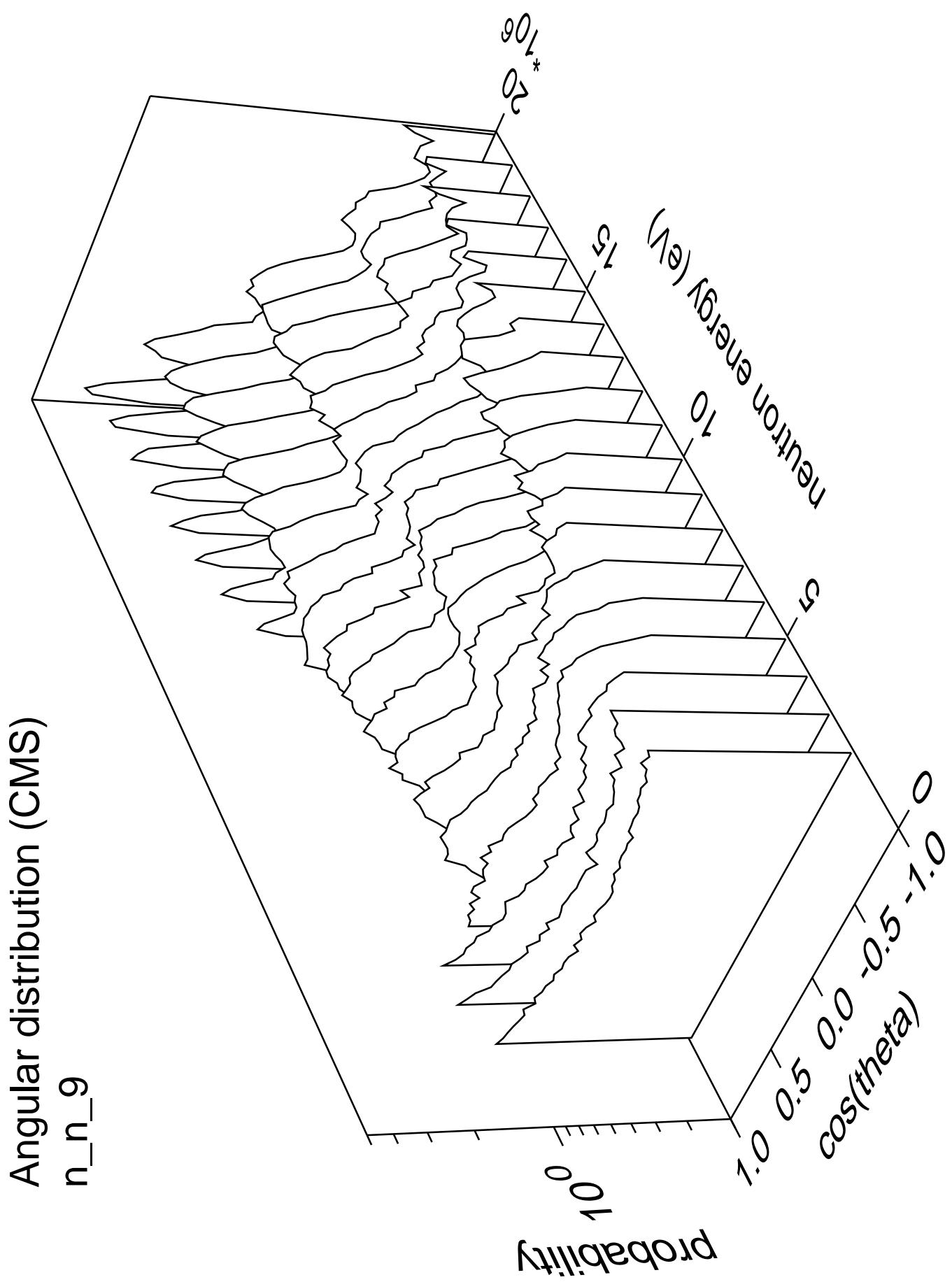


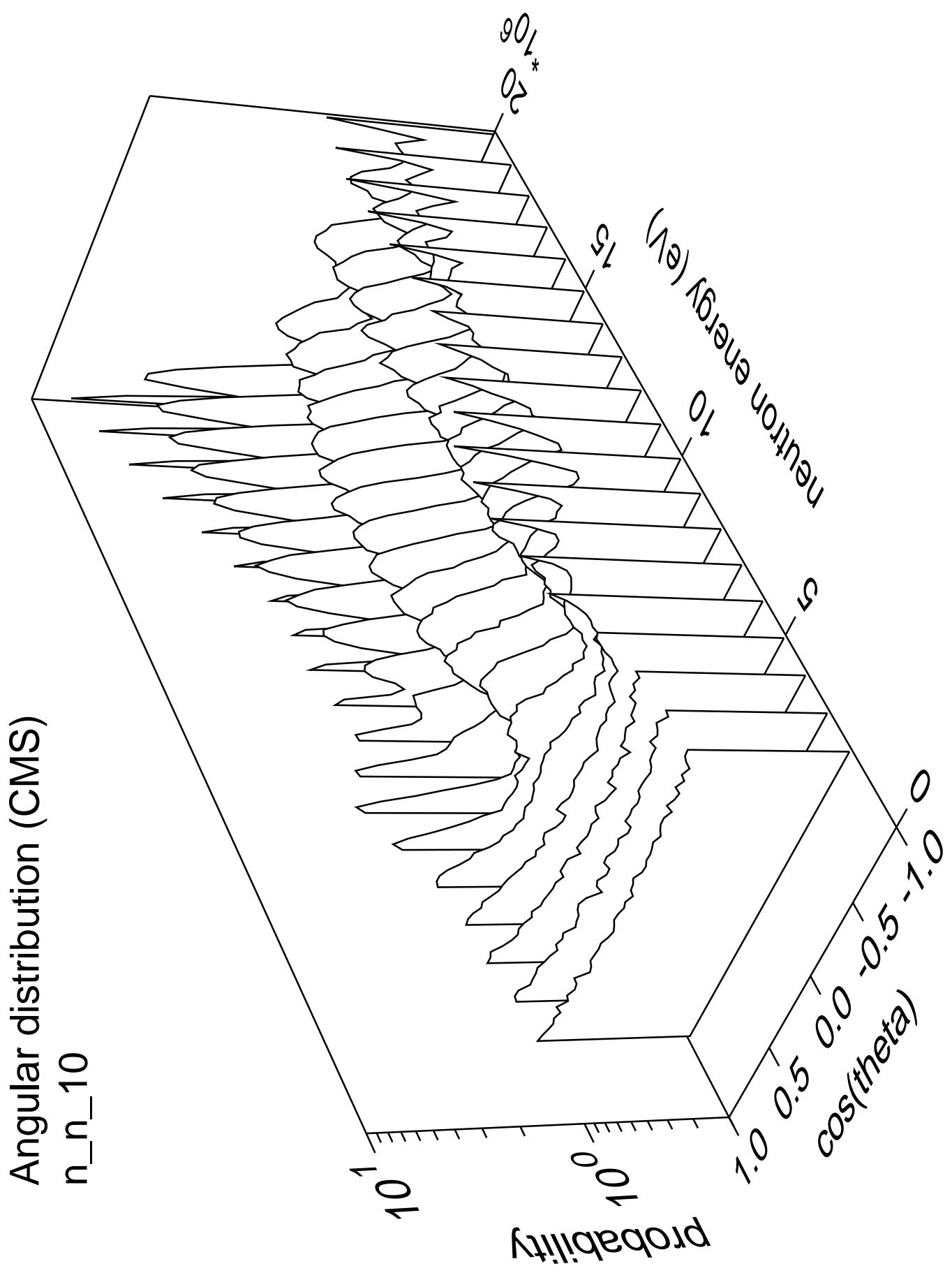


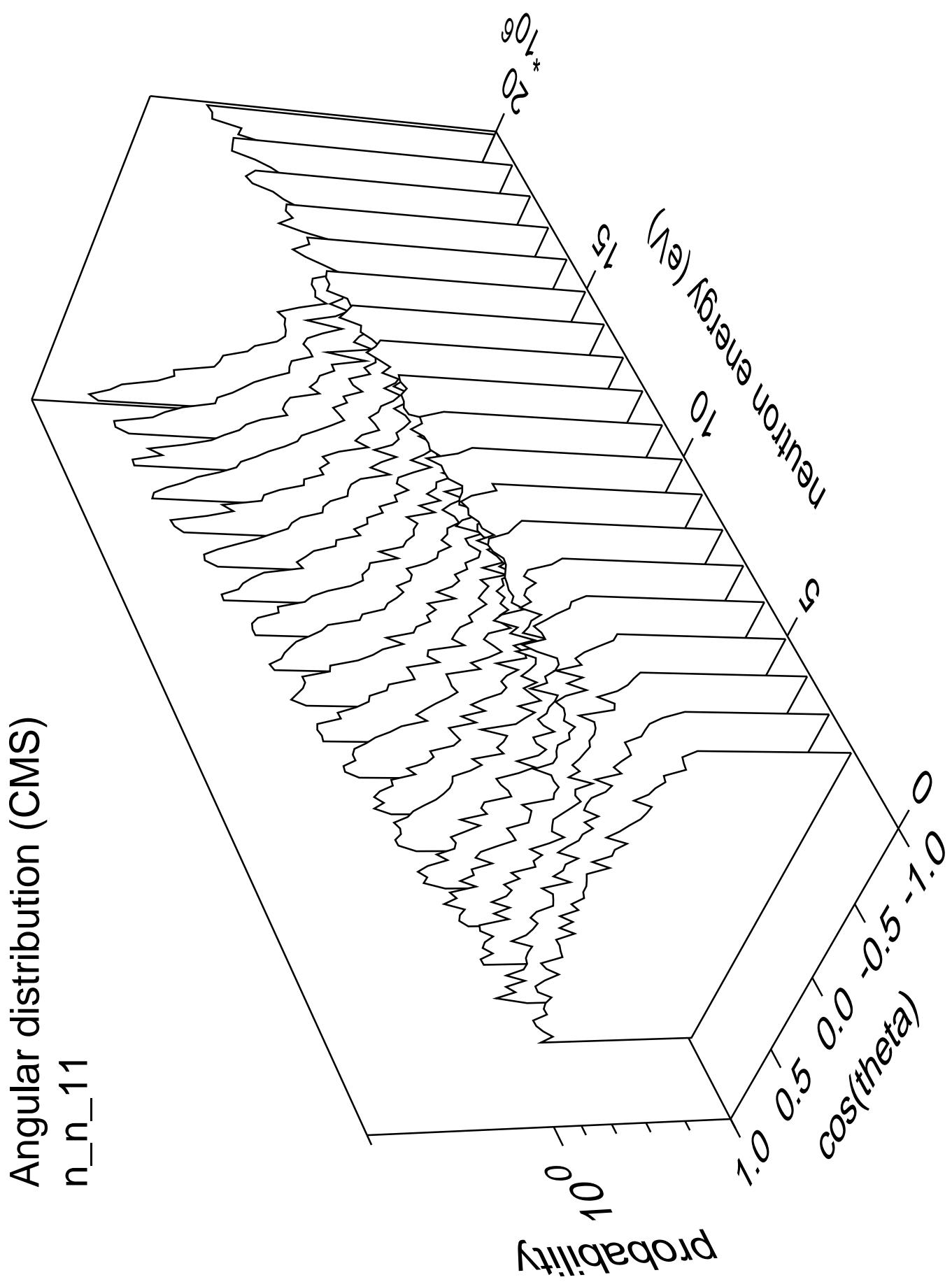


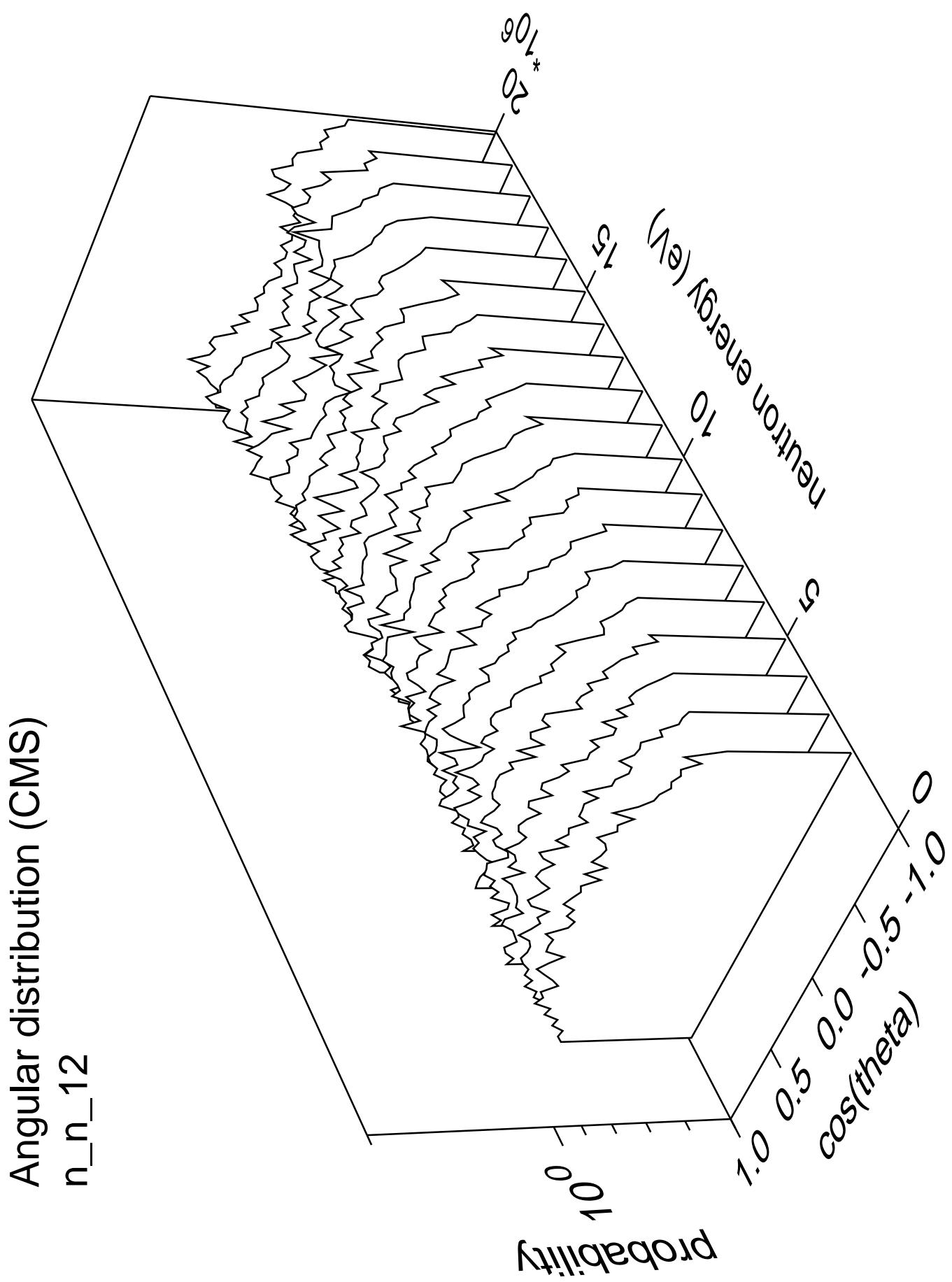


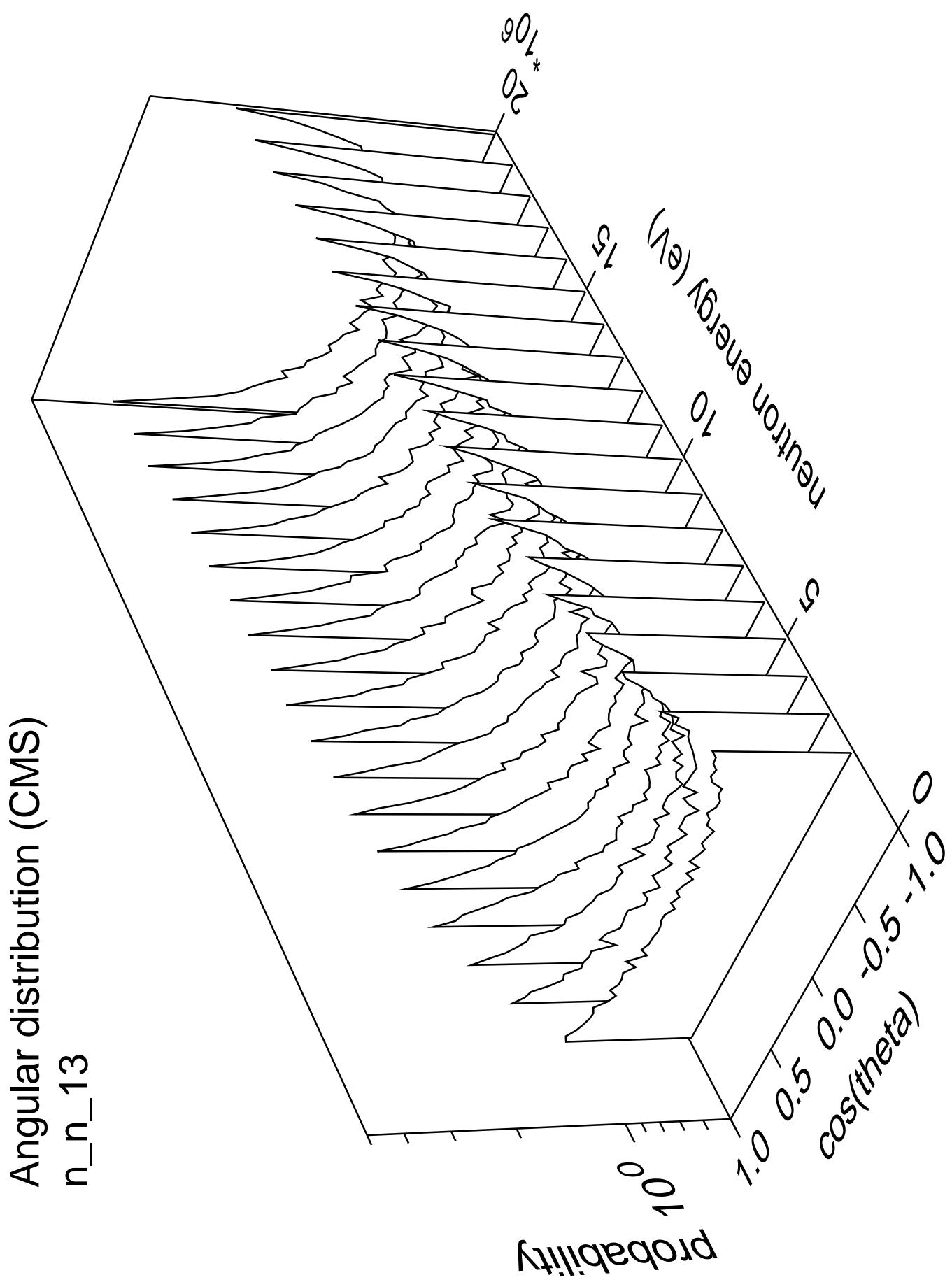


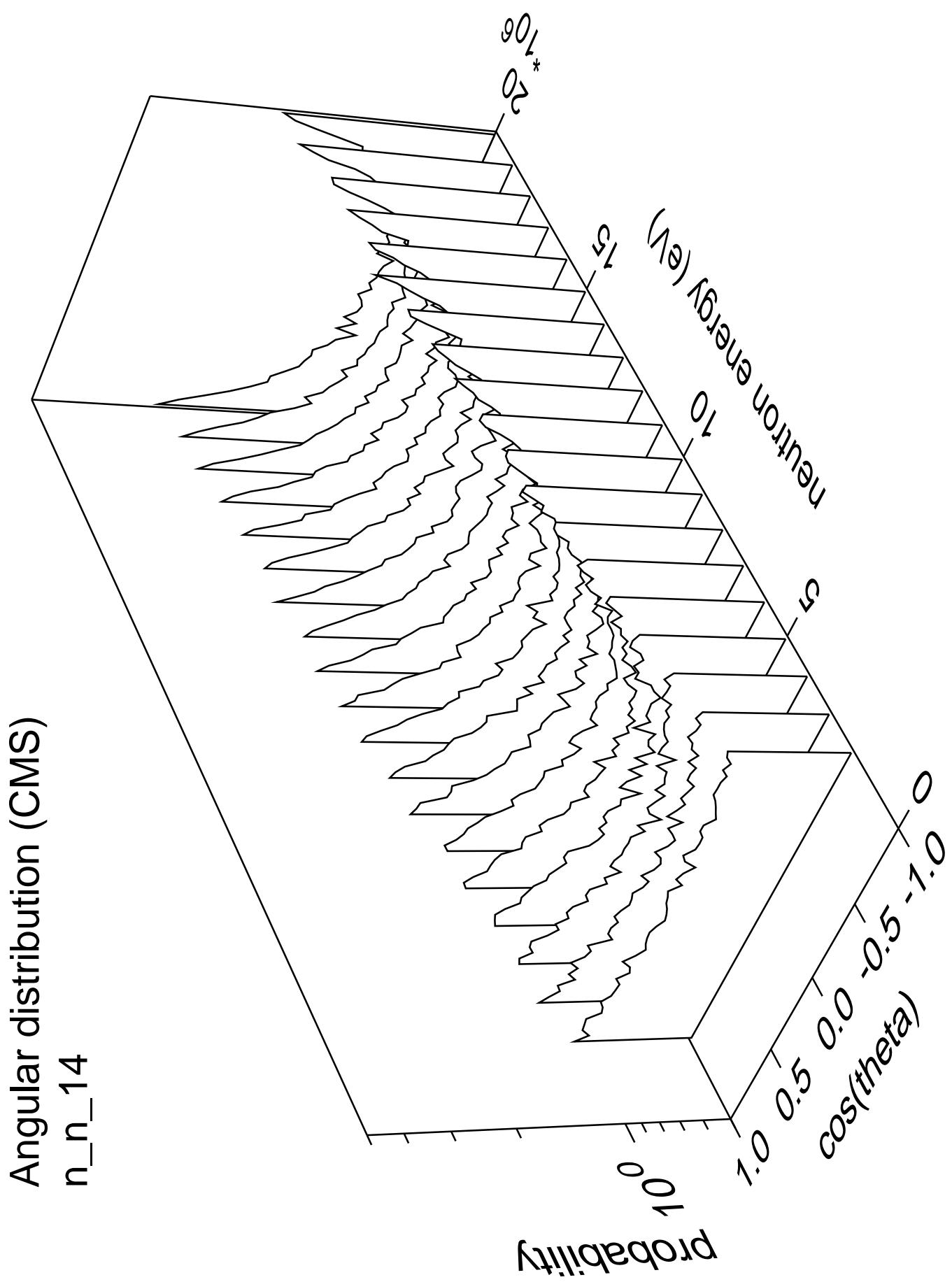


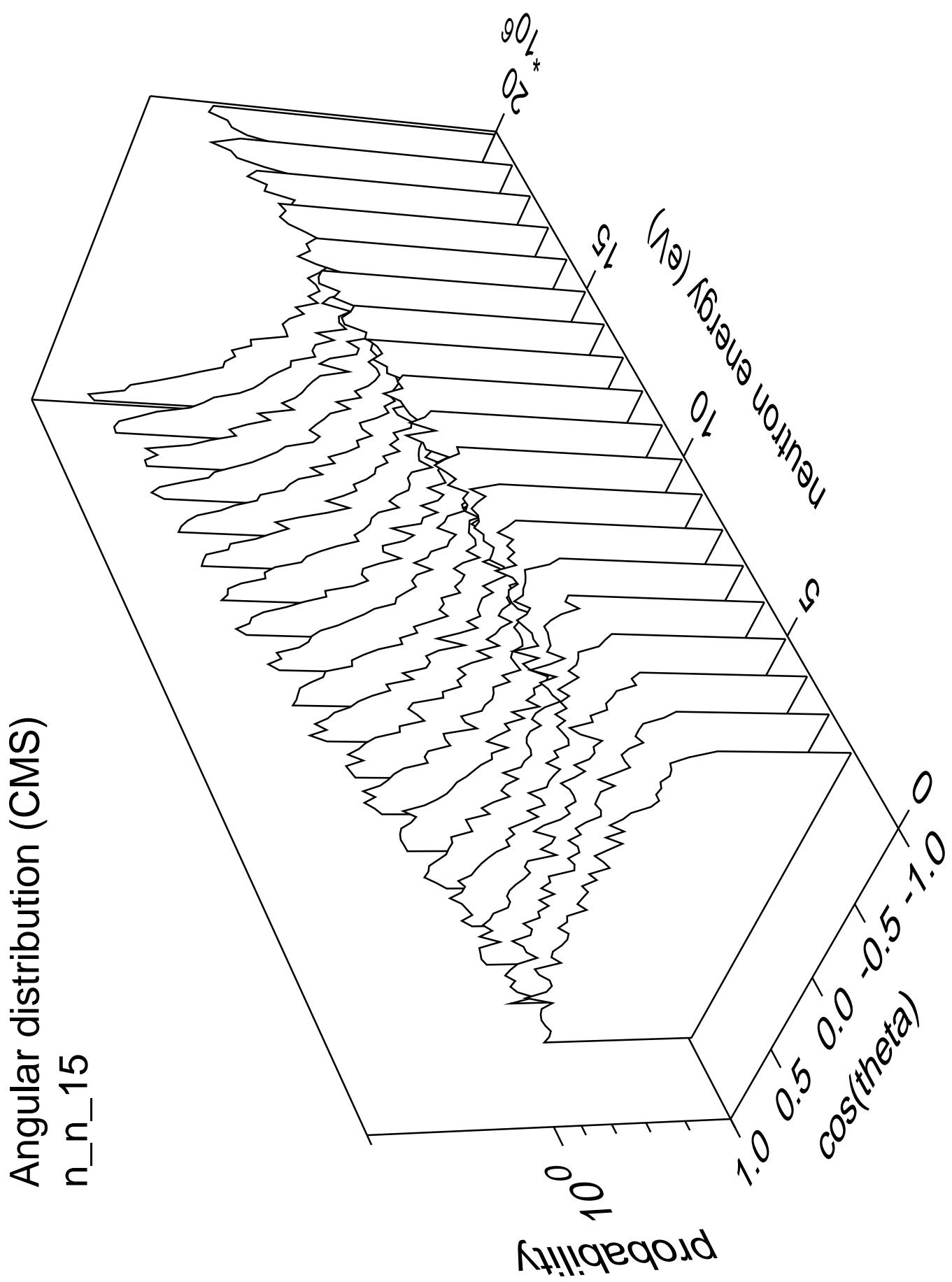


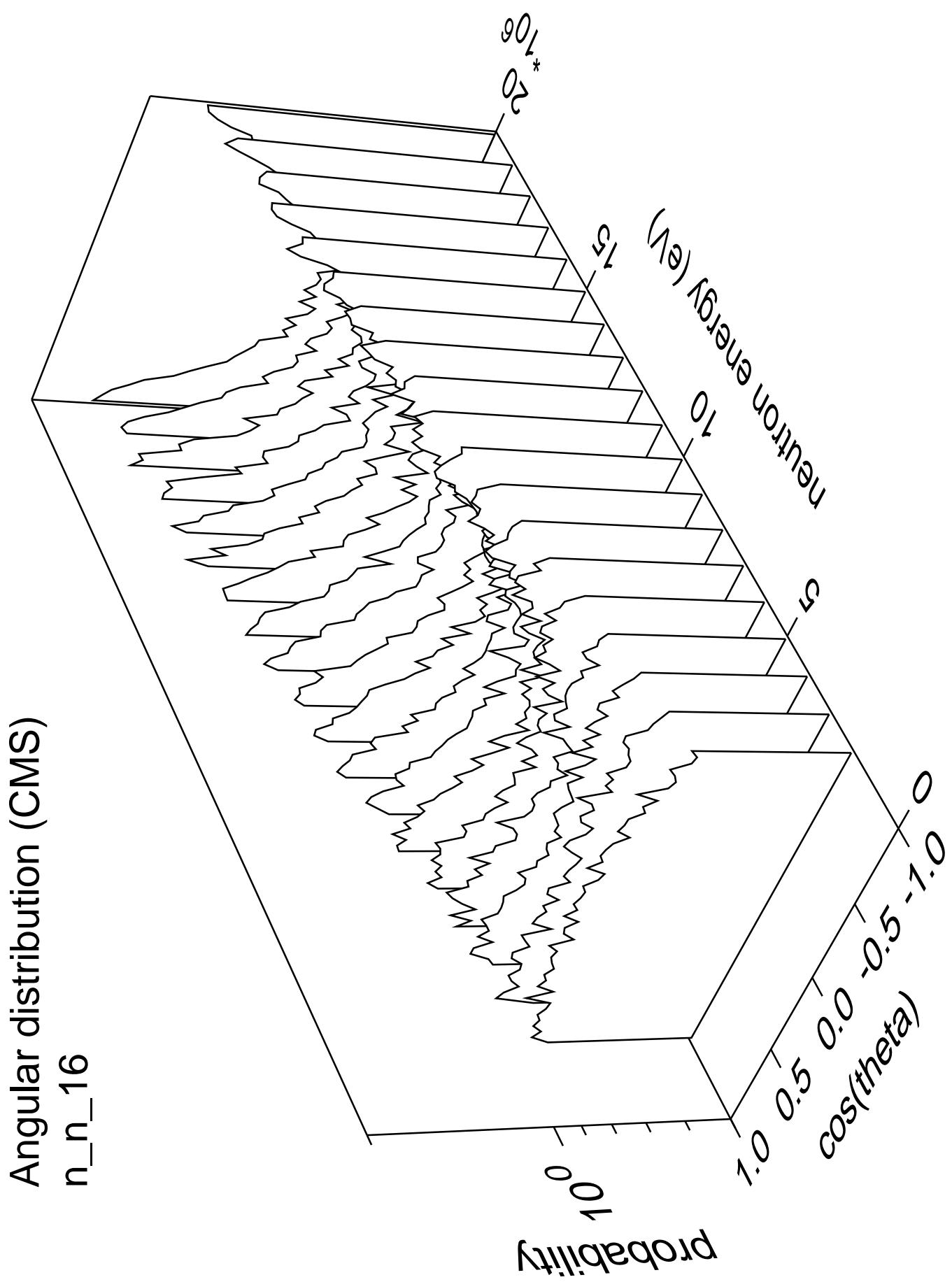


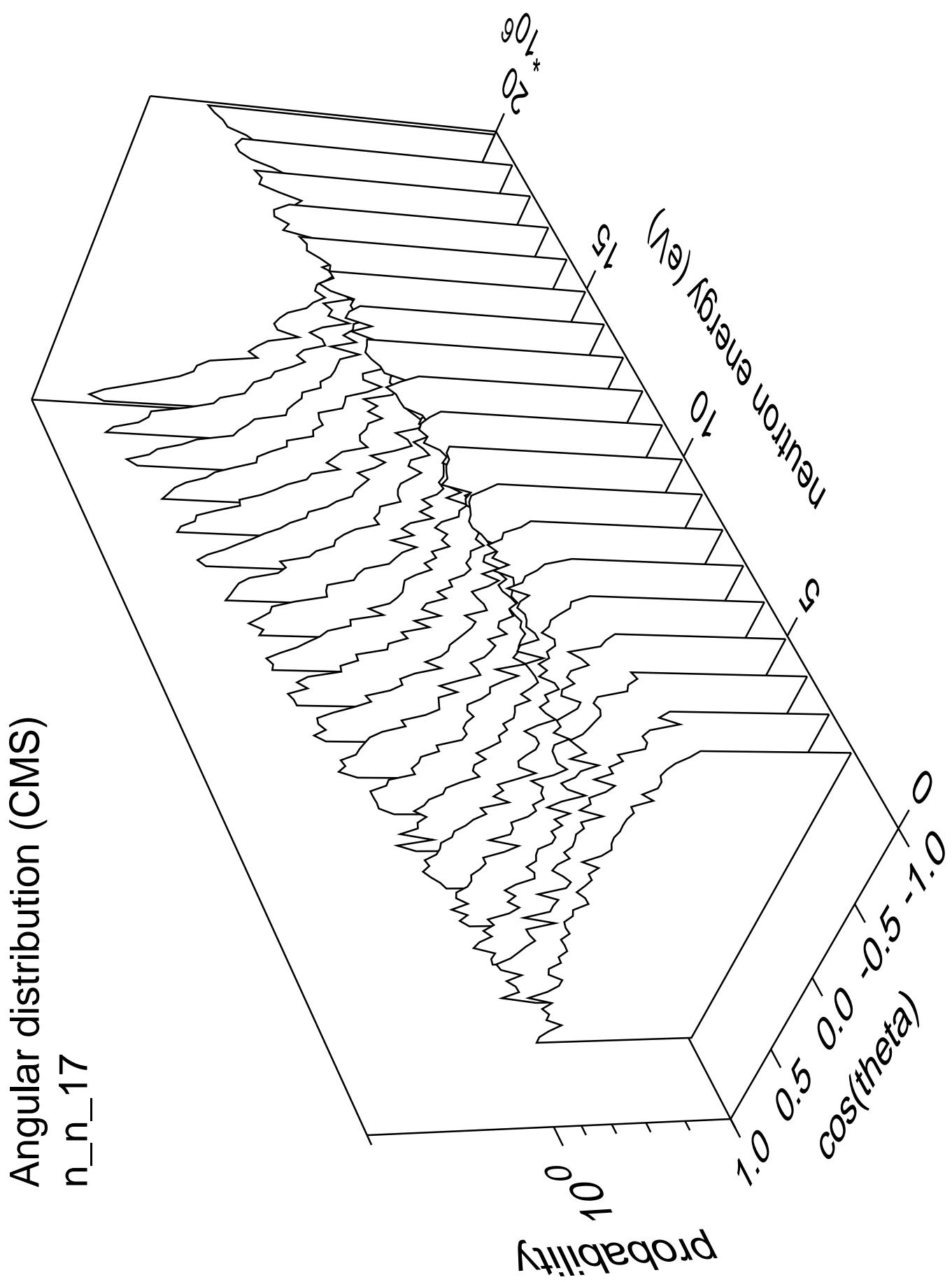


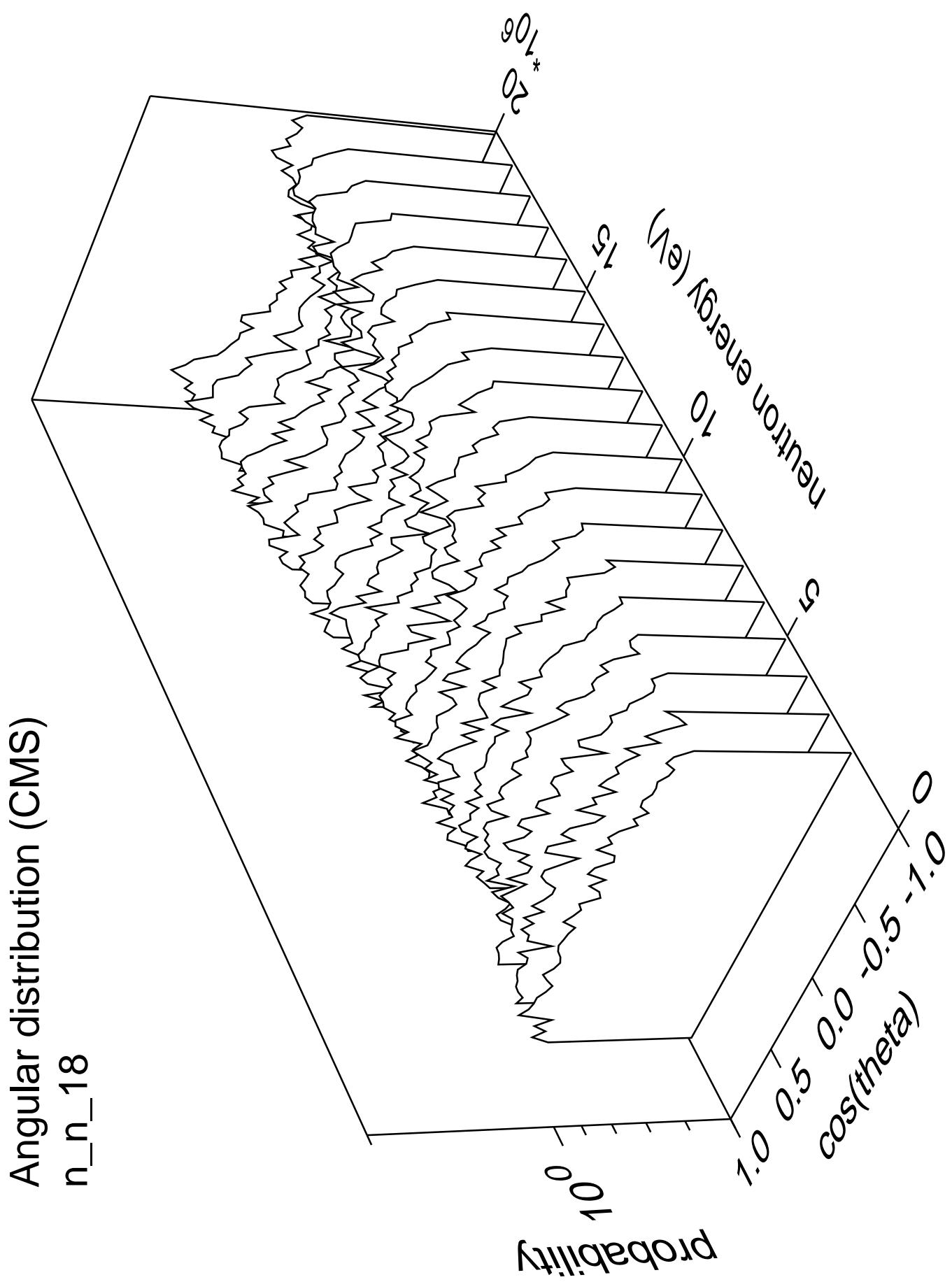


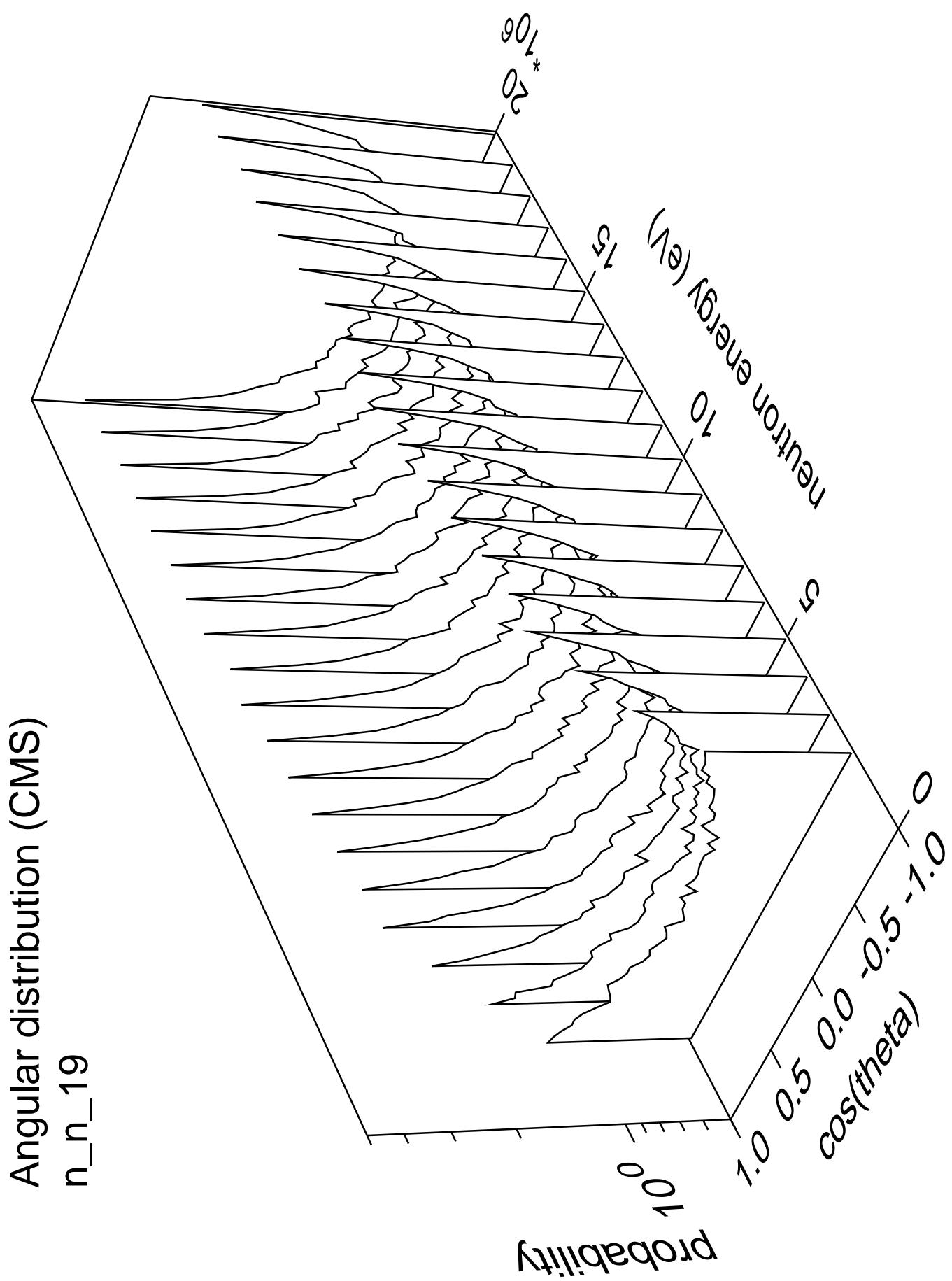


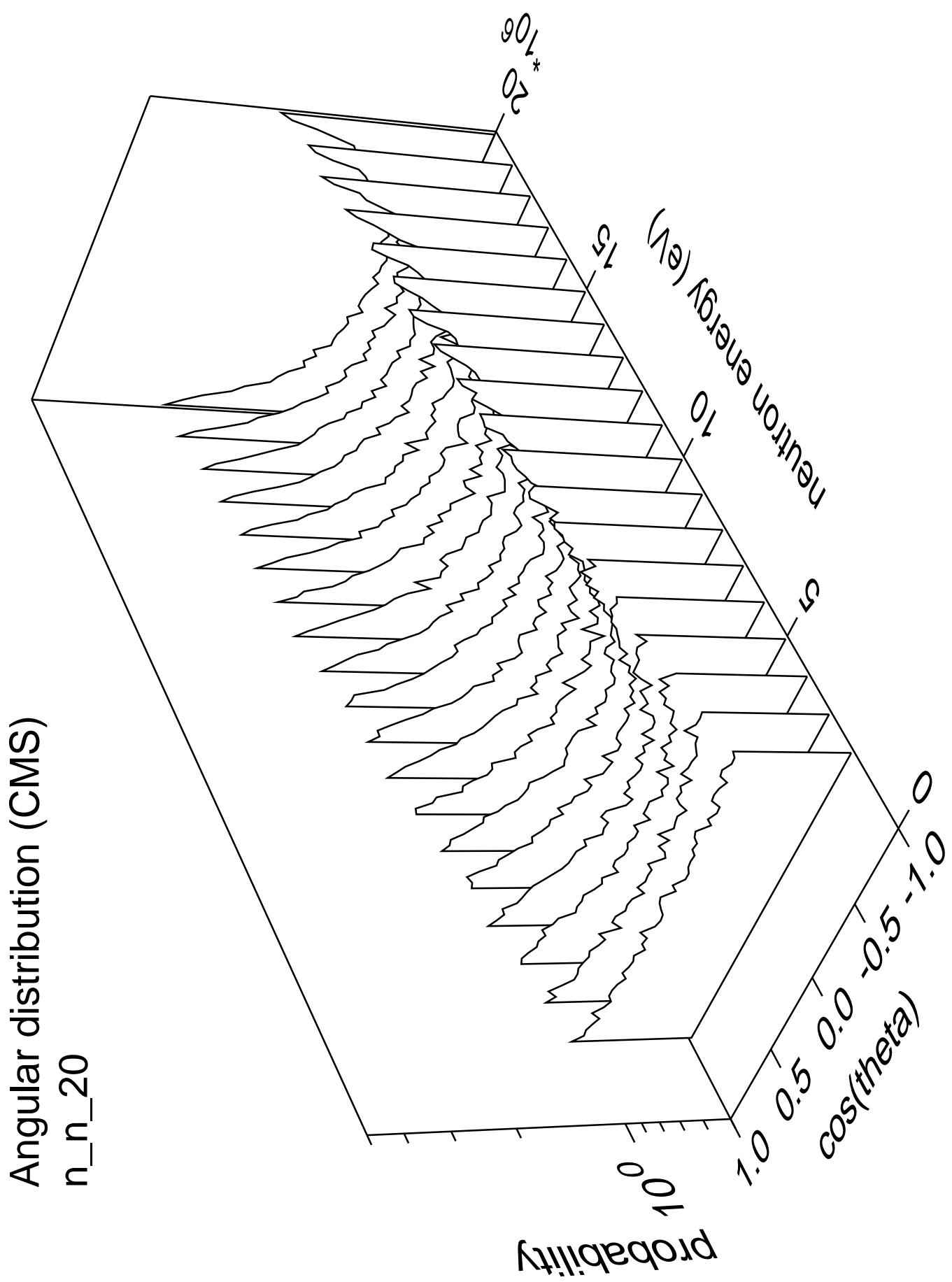


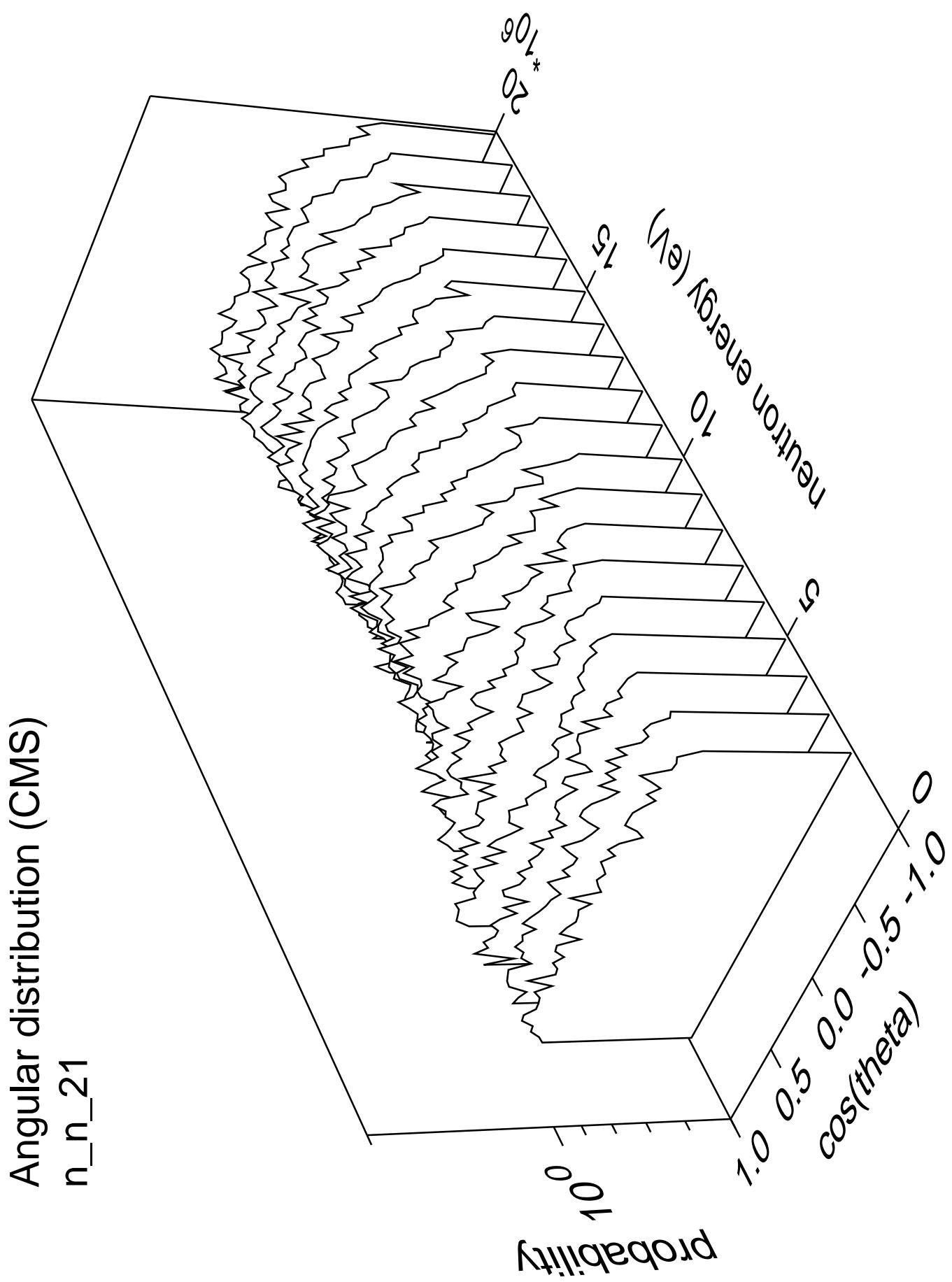


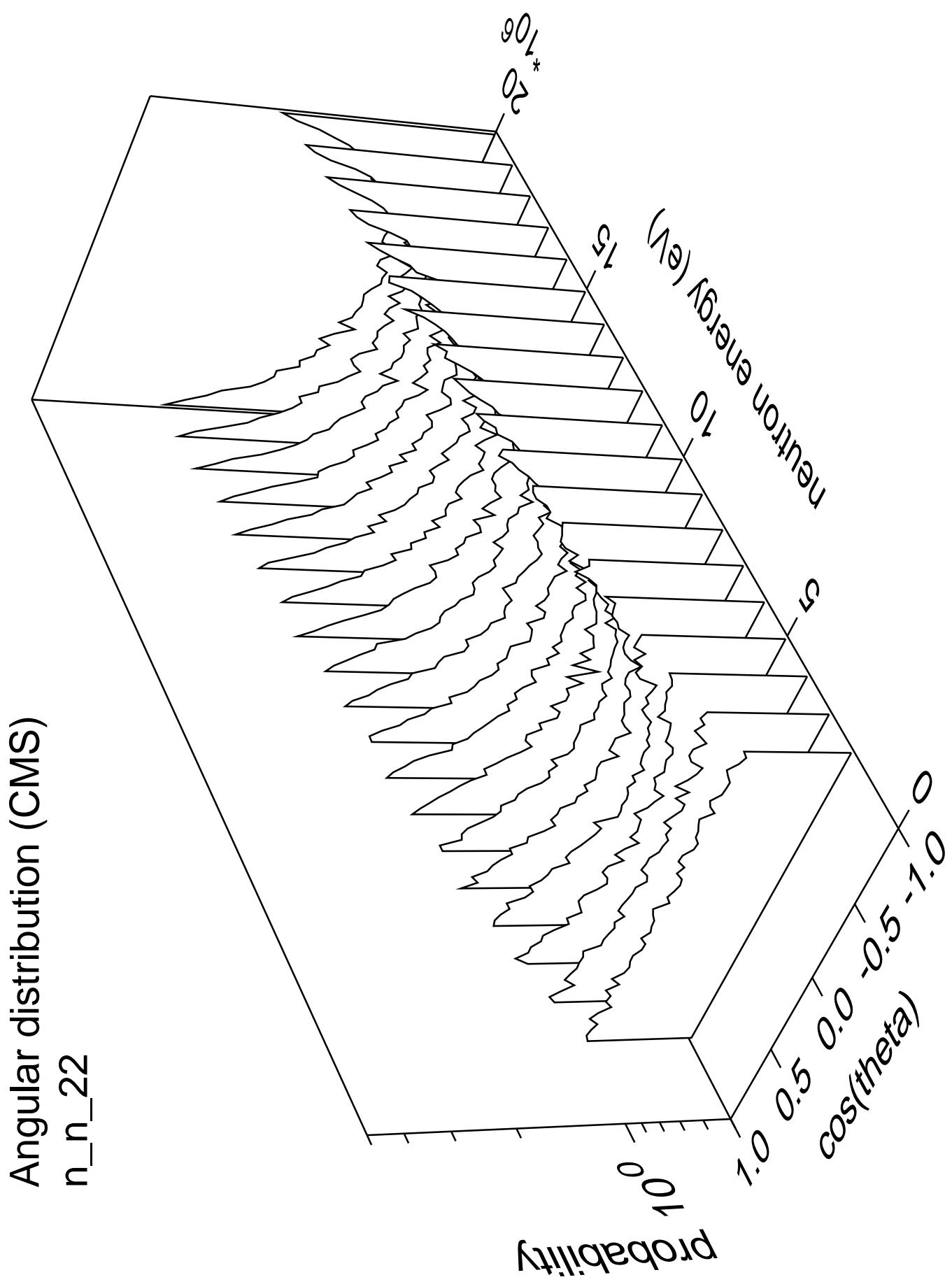


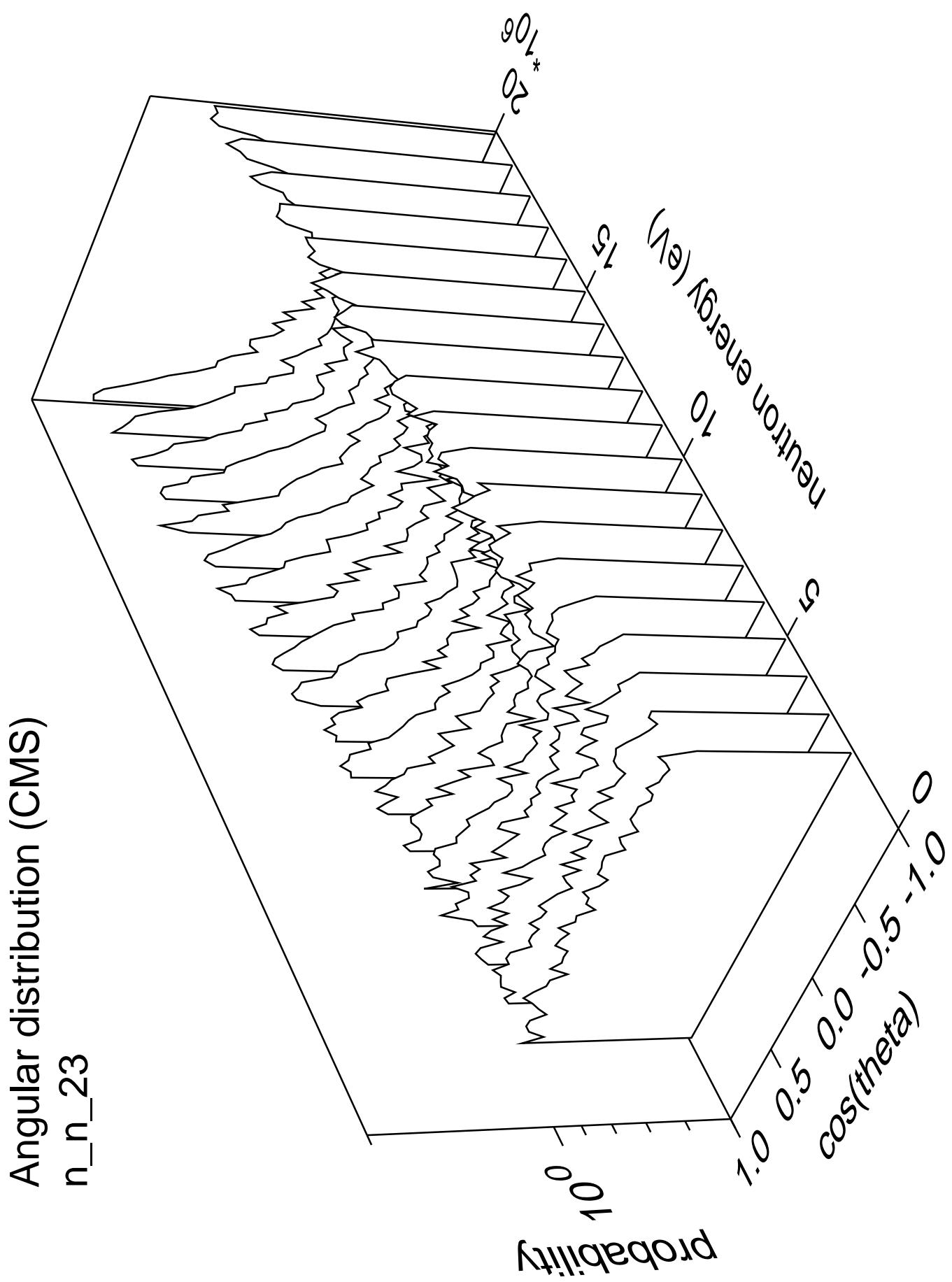


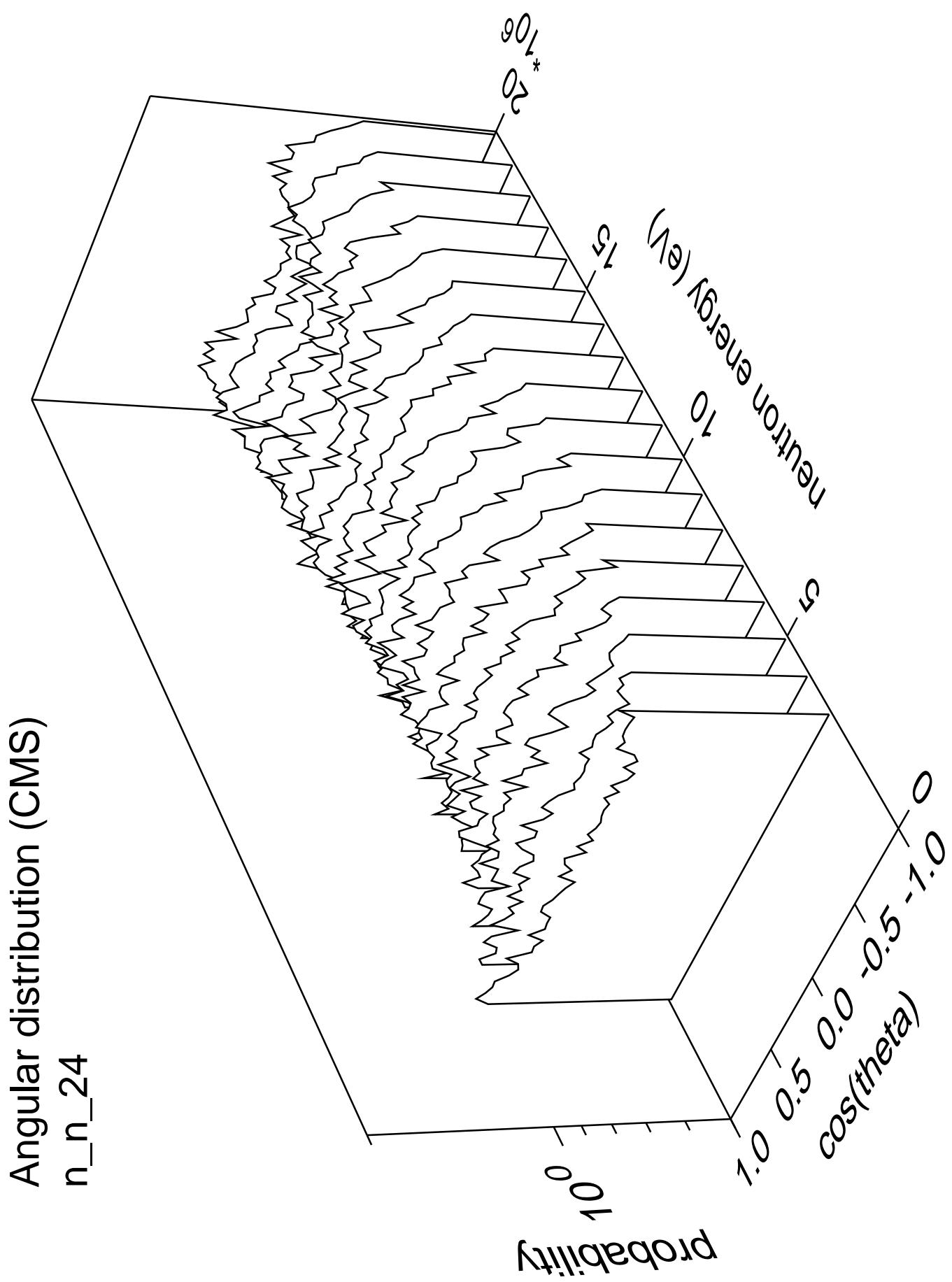


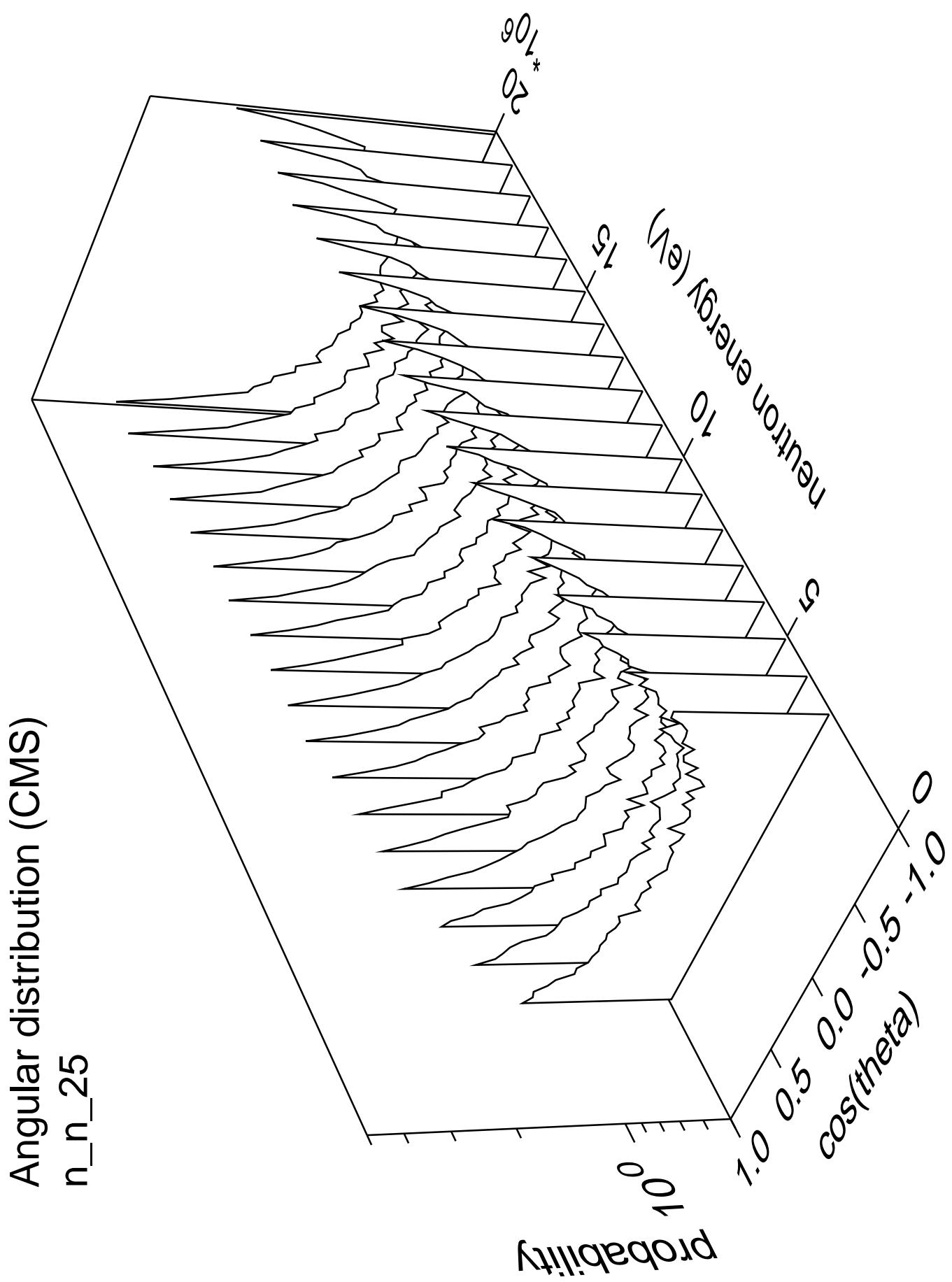


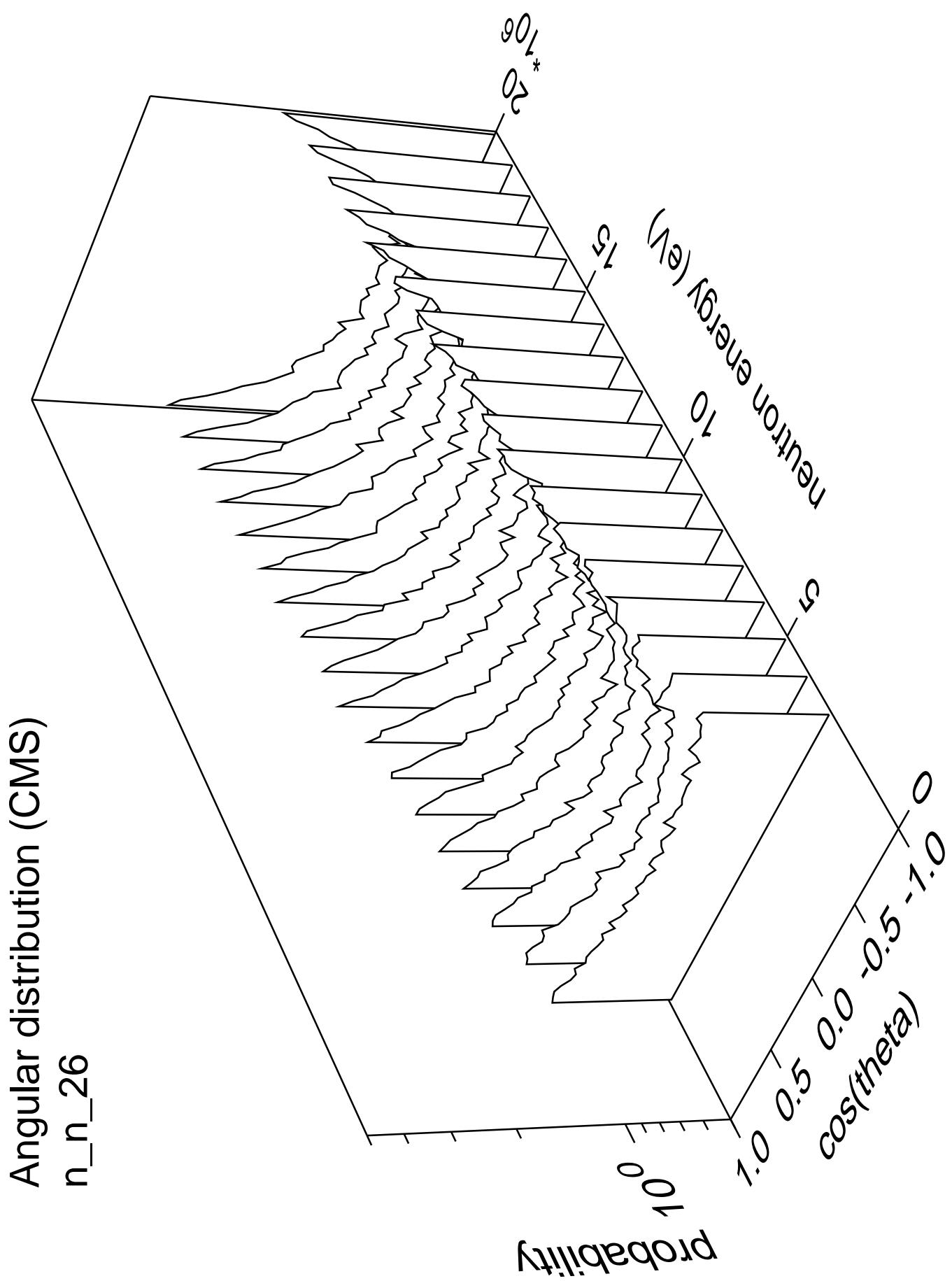


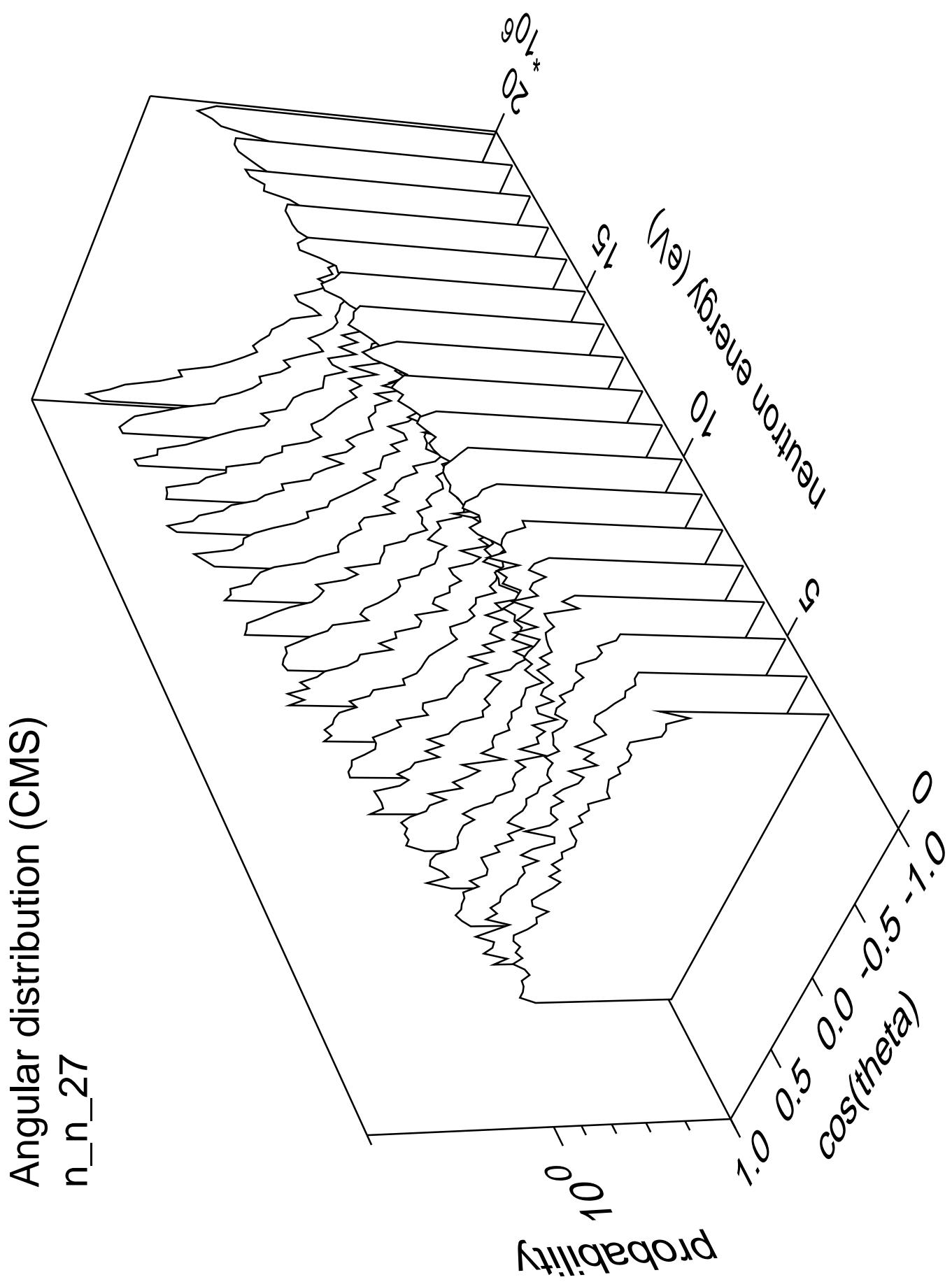


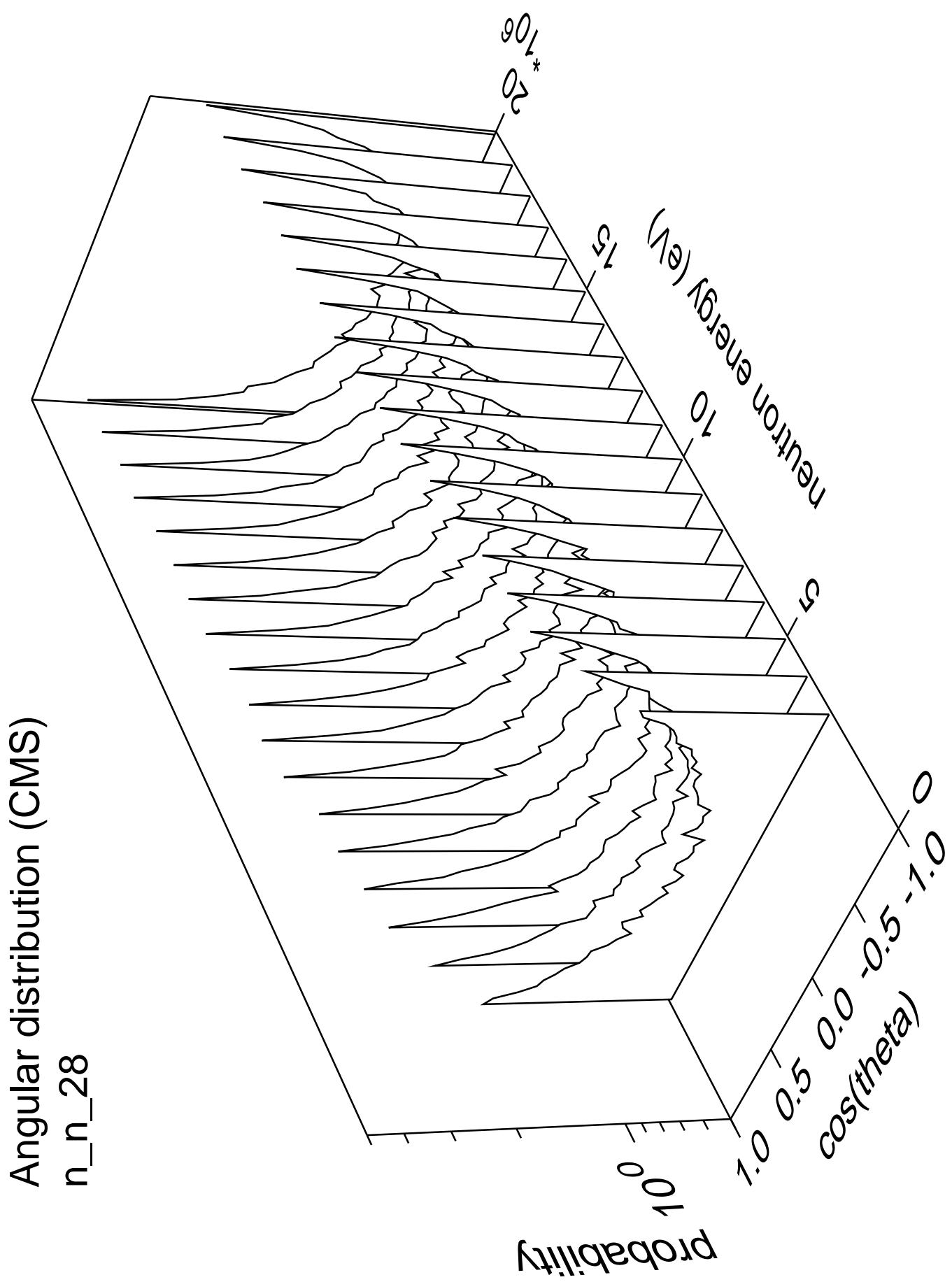


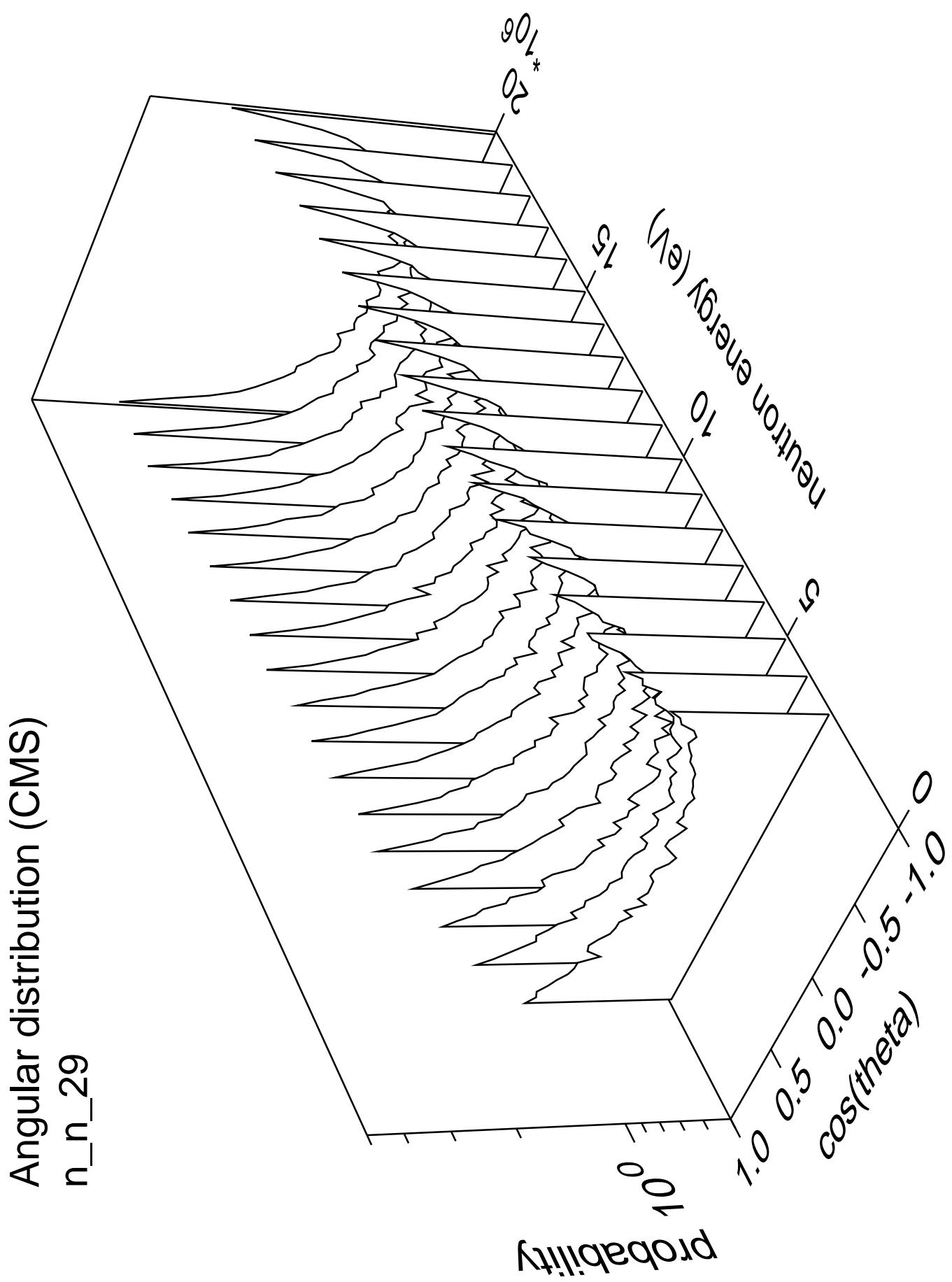


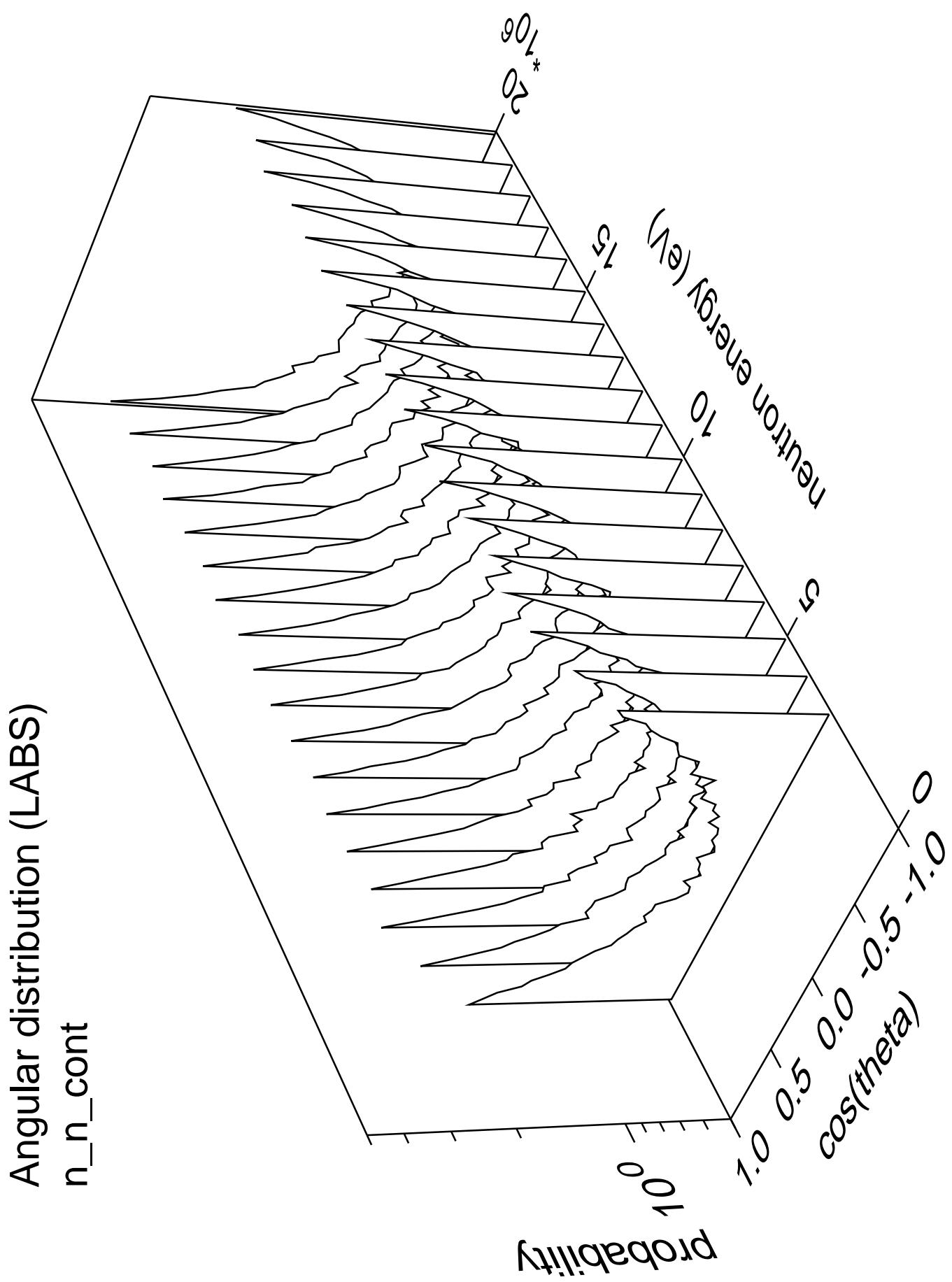


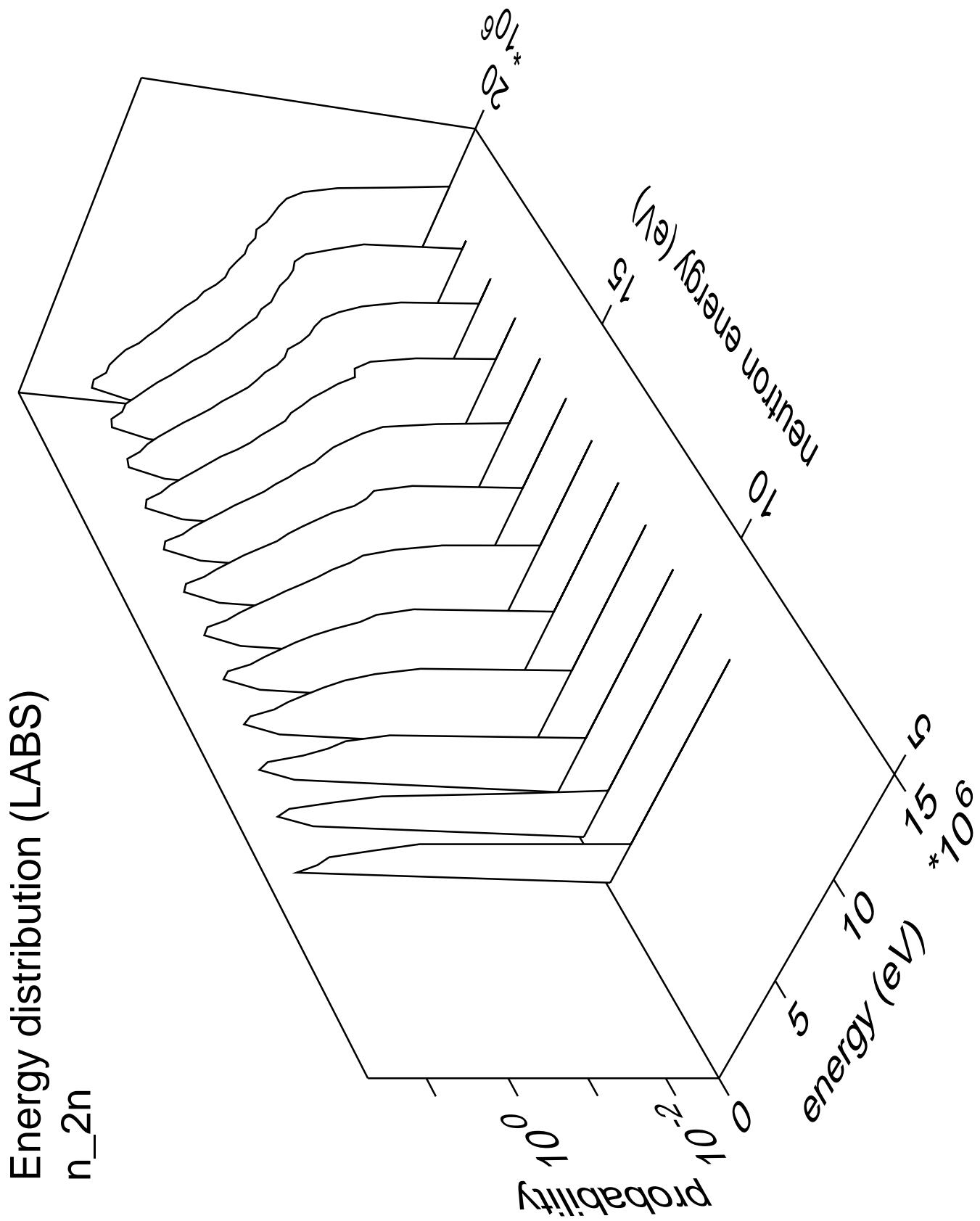


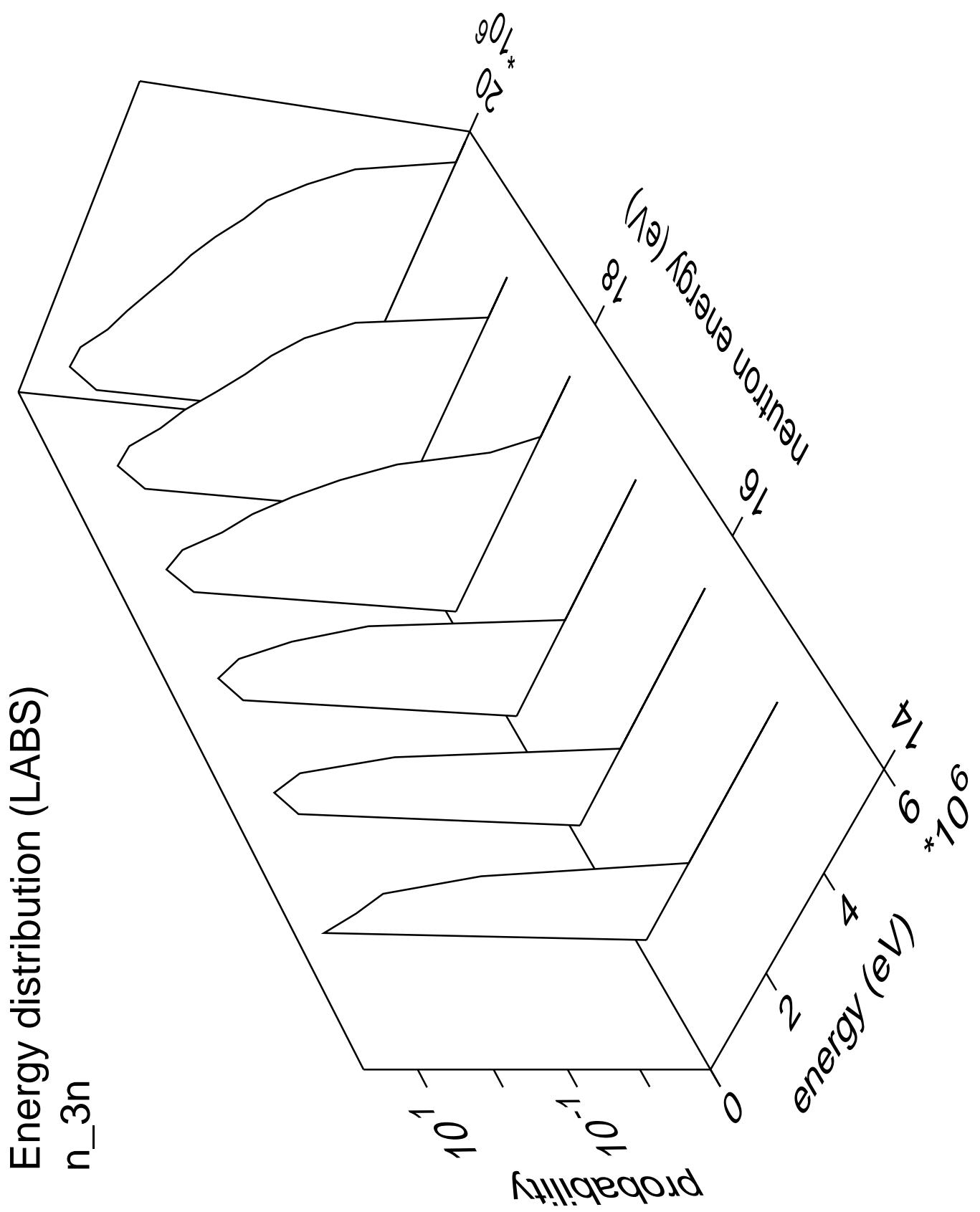


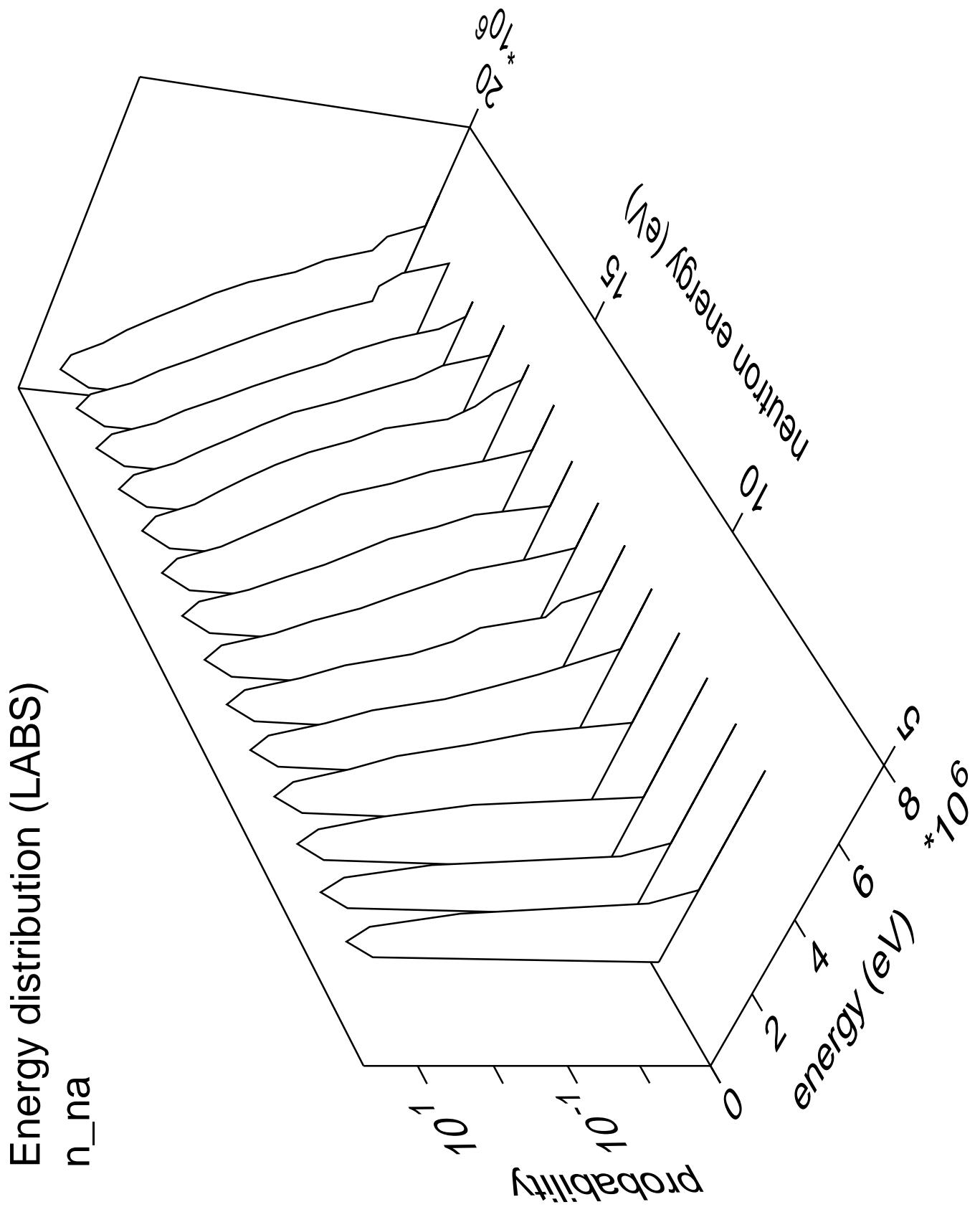


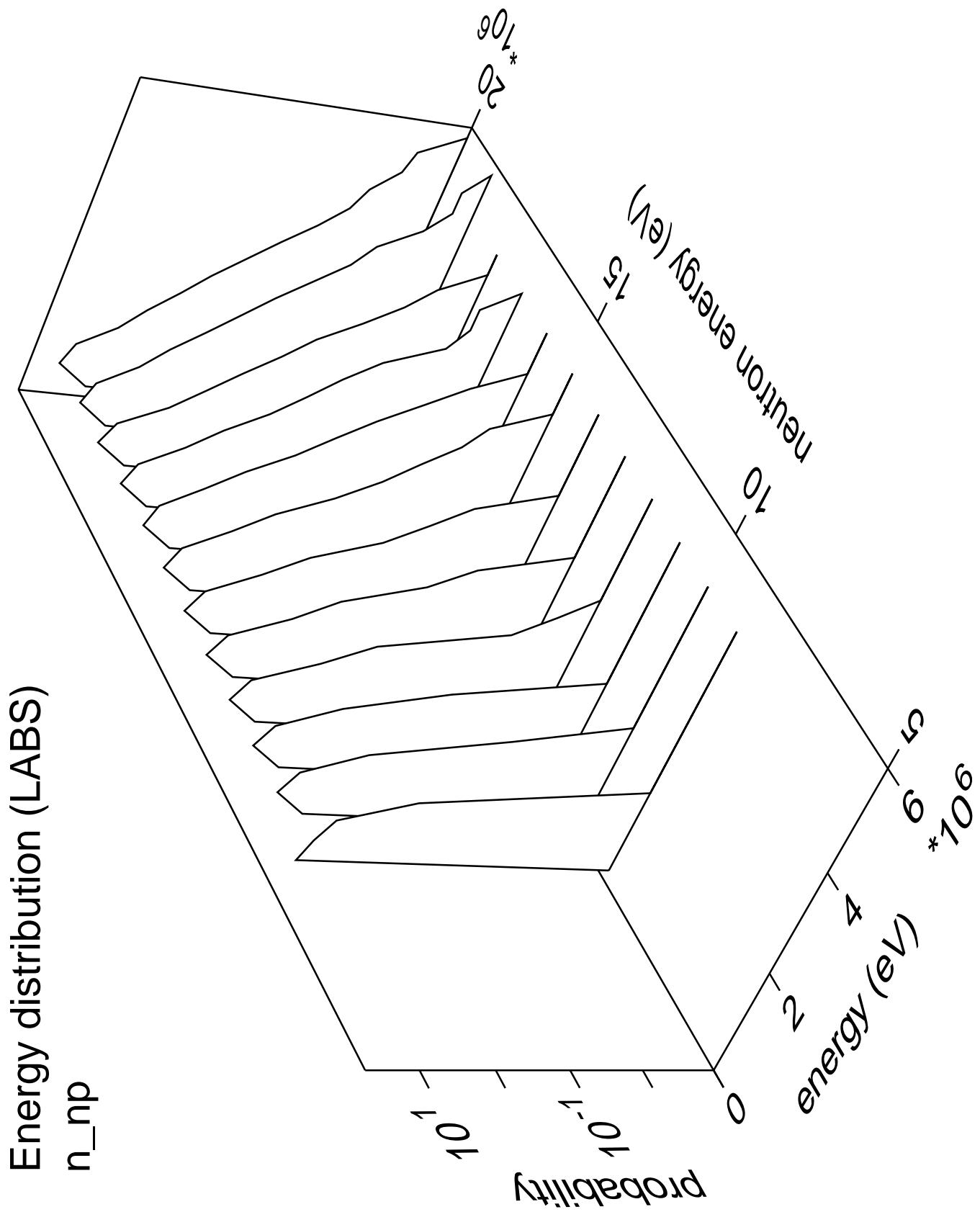


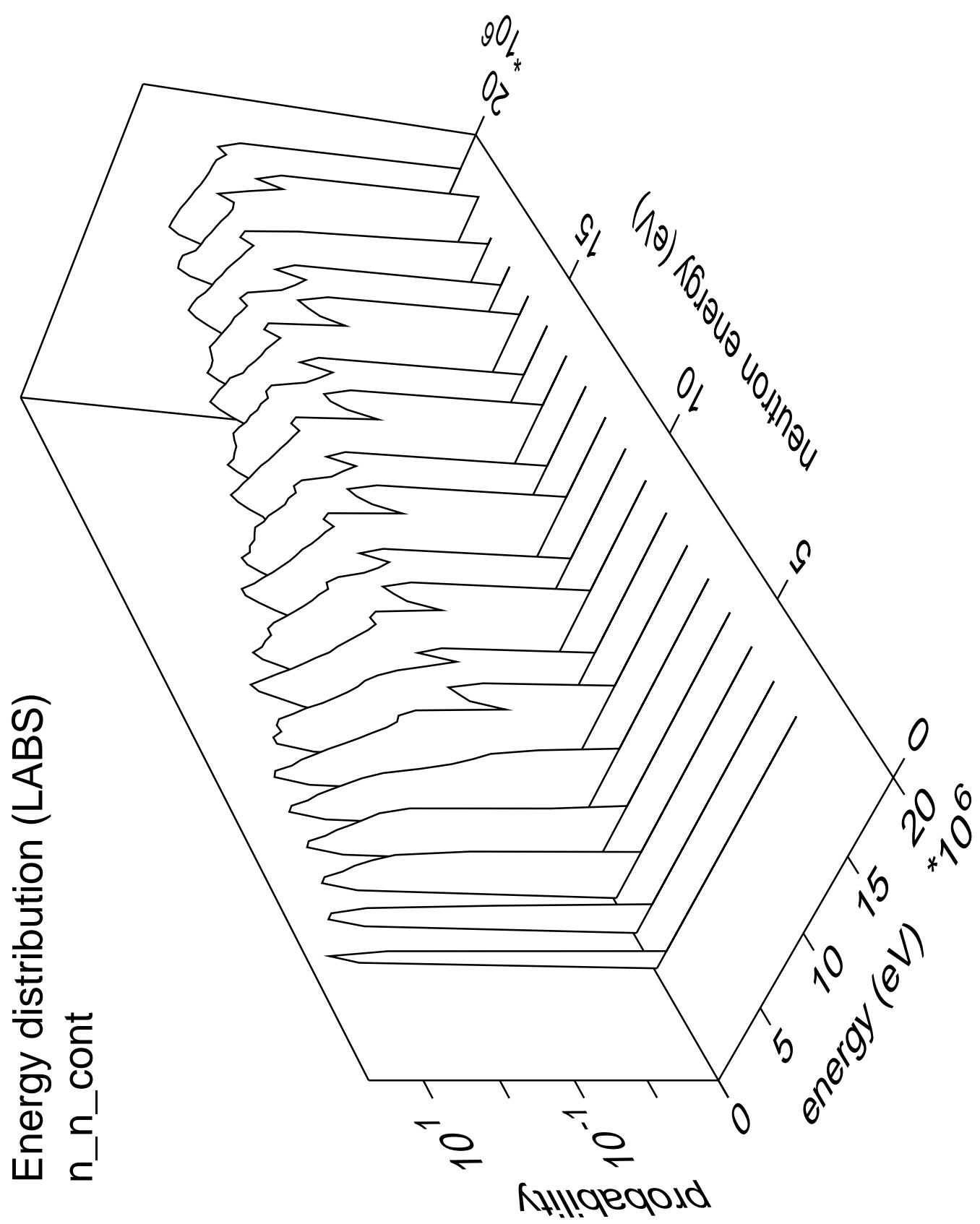




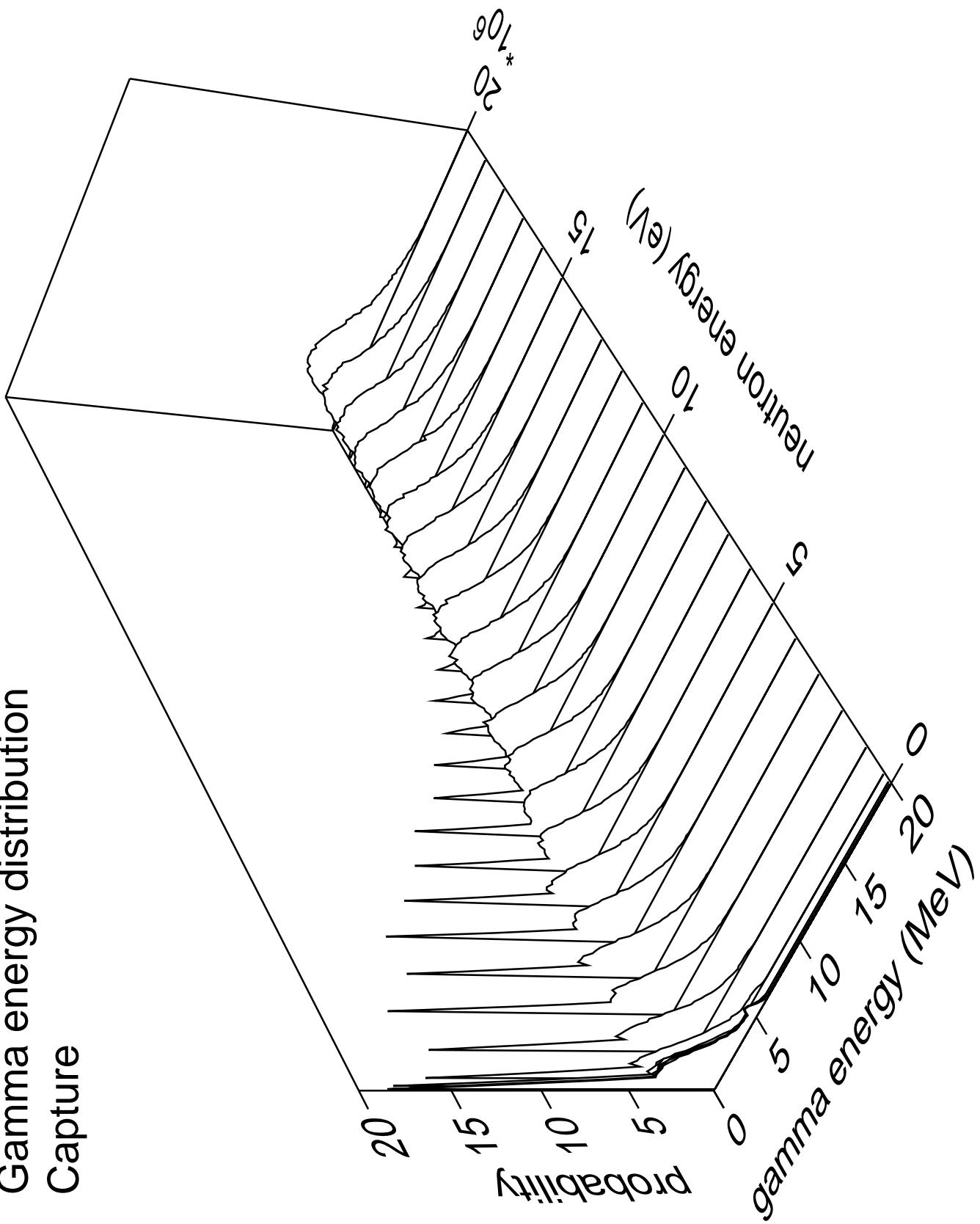




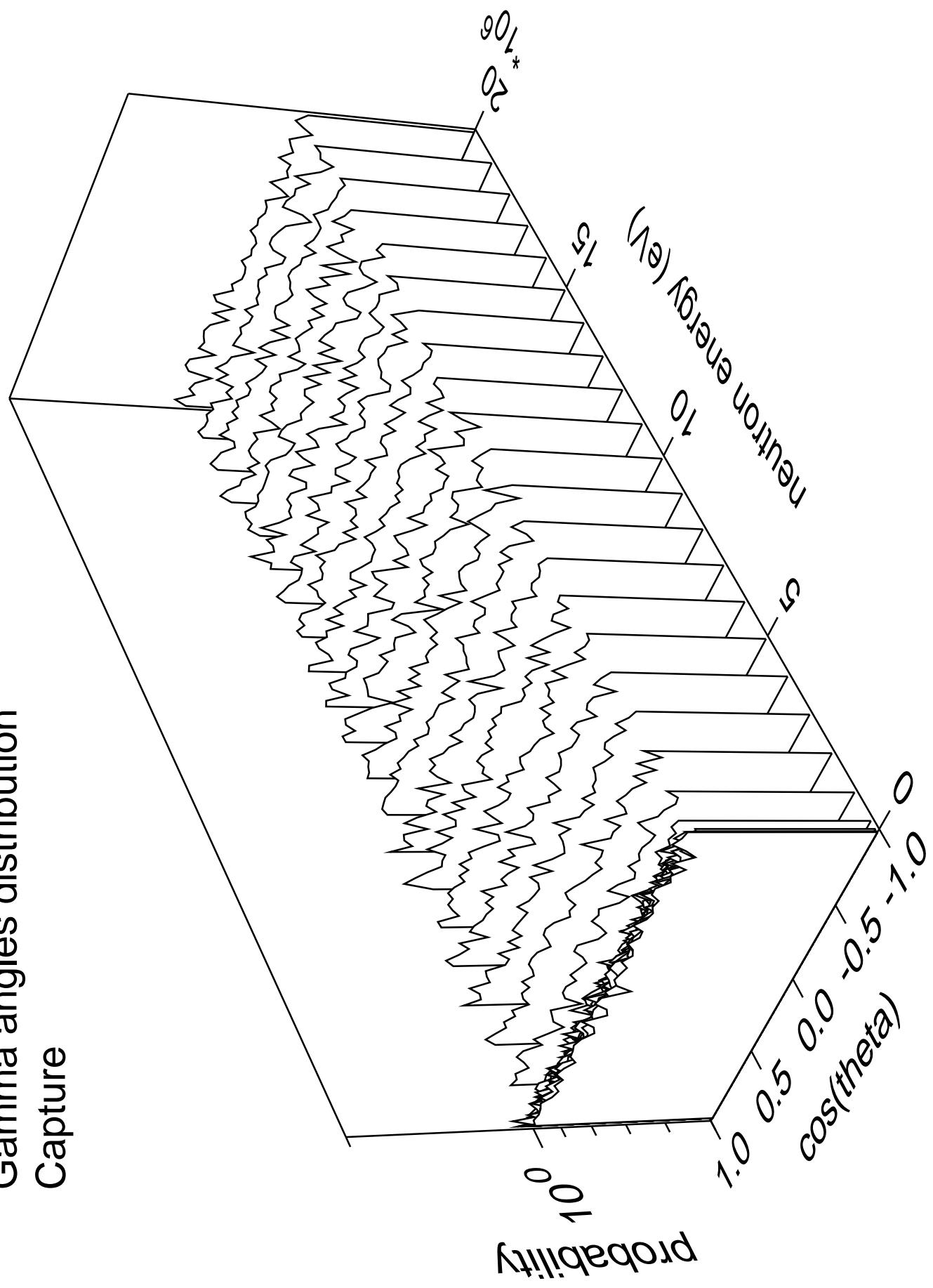




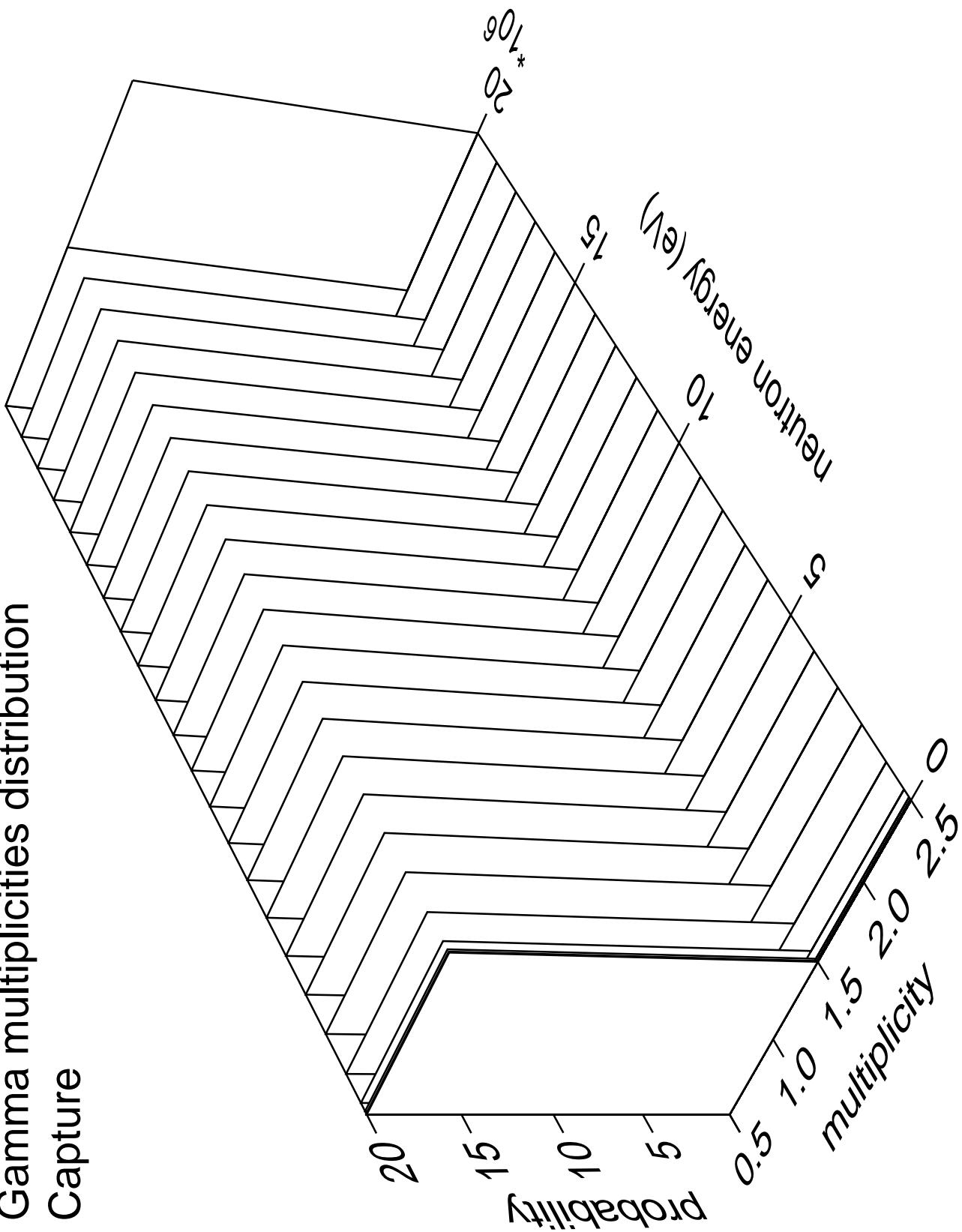
# Gamma energy distribution Capture



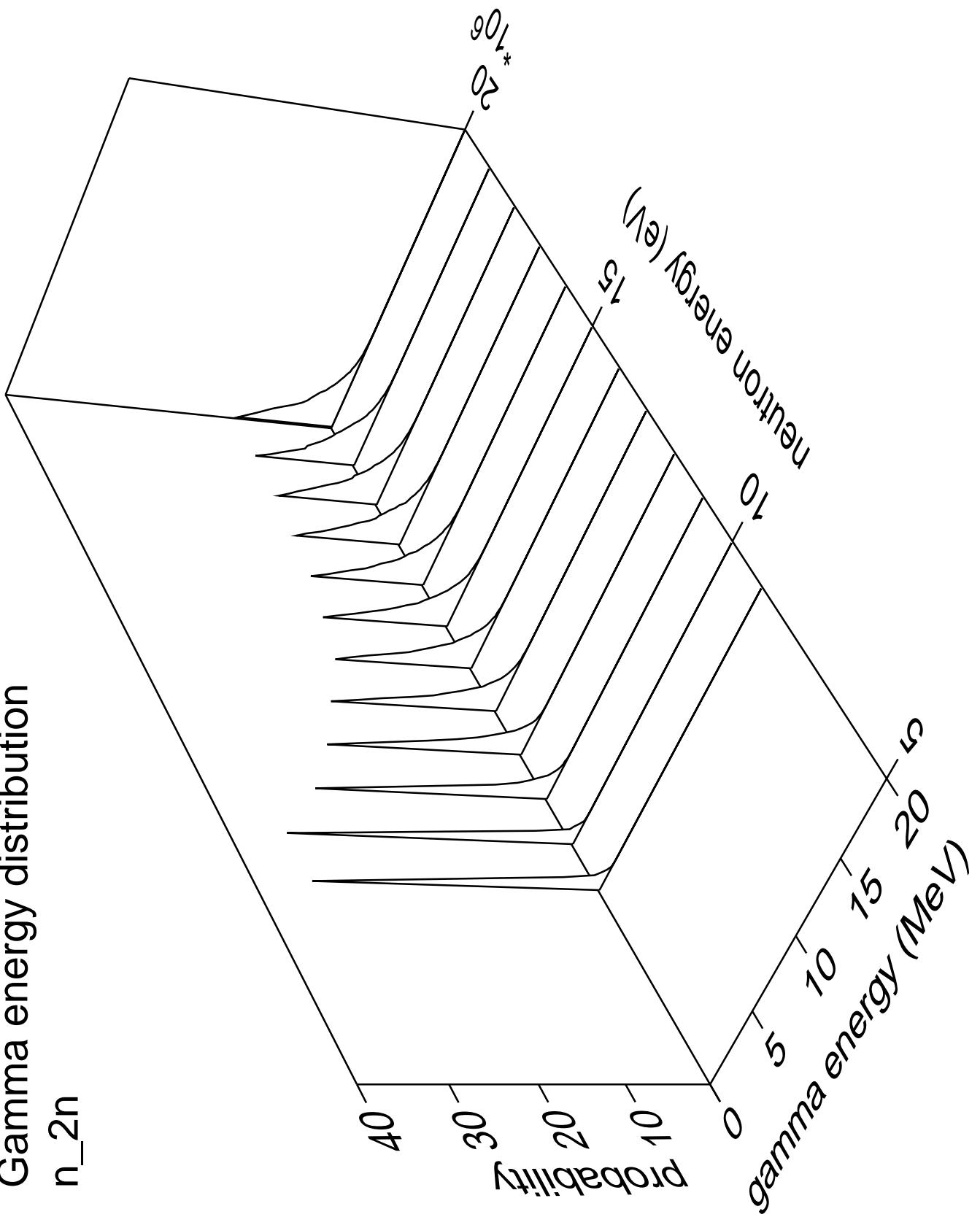
# Gamma angles distribution Capture



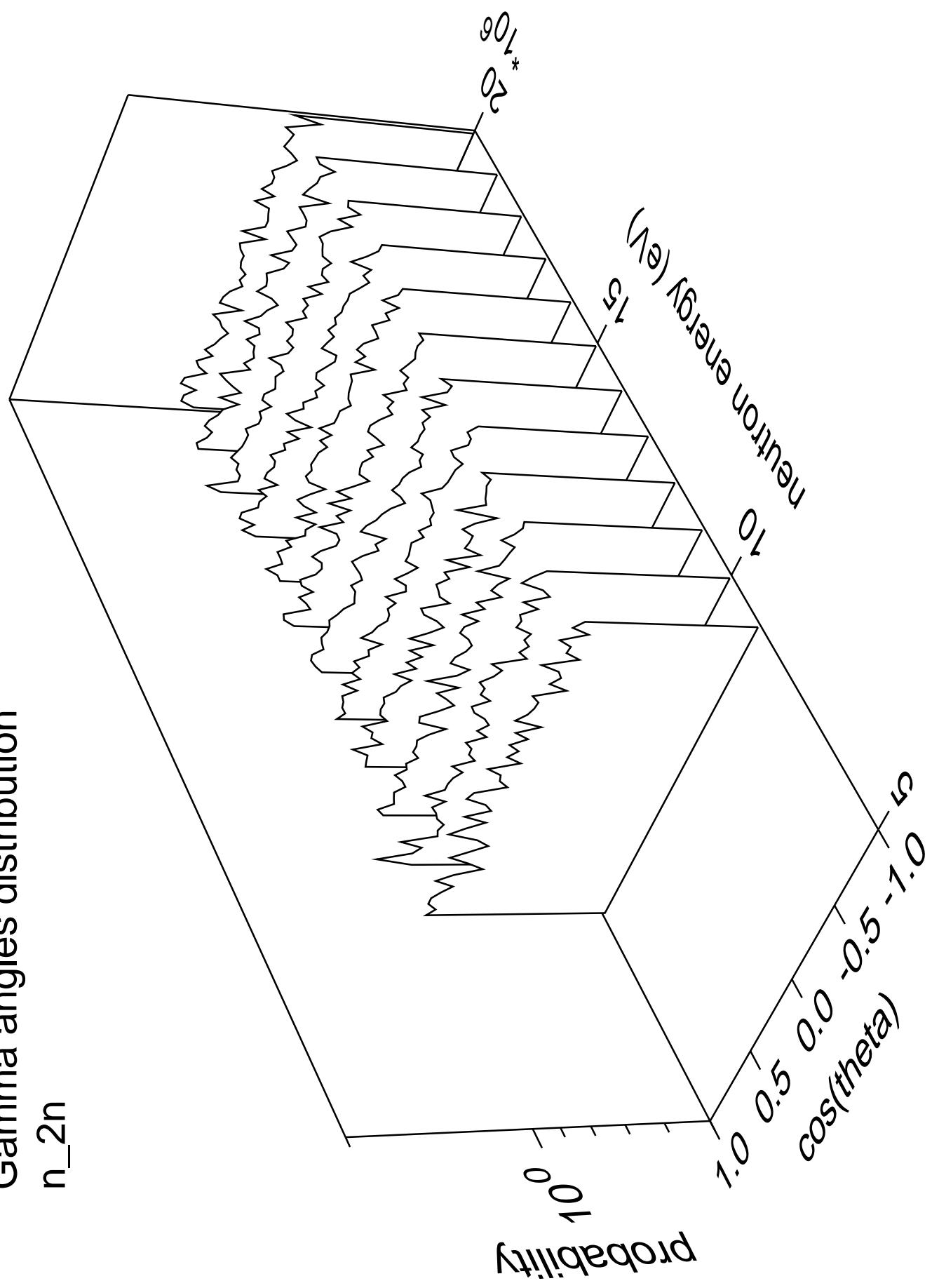
# Gamma multiplicities distribution Capture

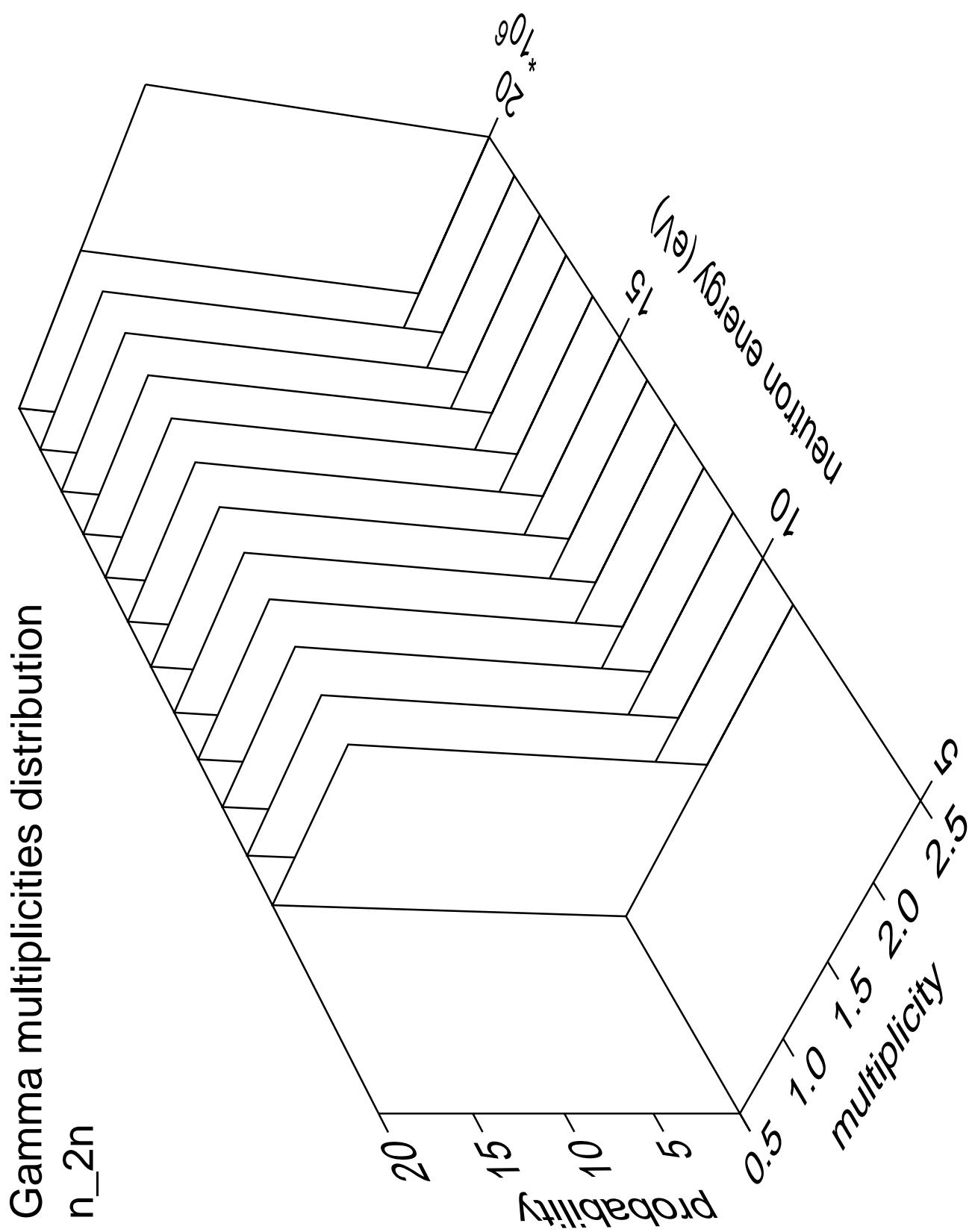


# Gamma energy distribution n\_2n

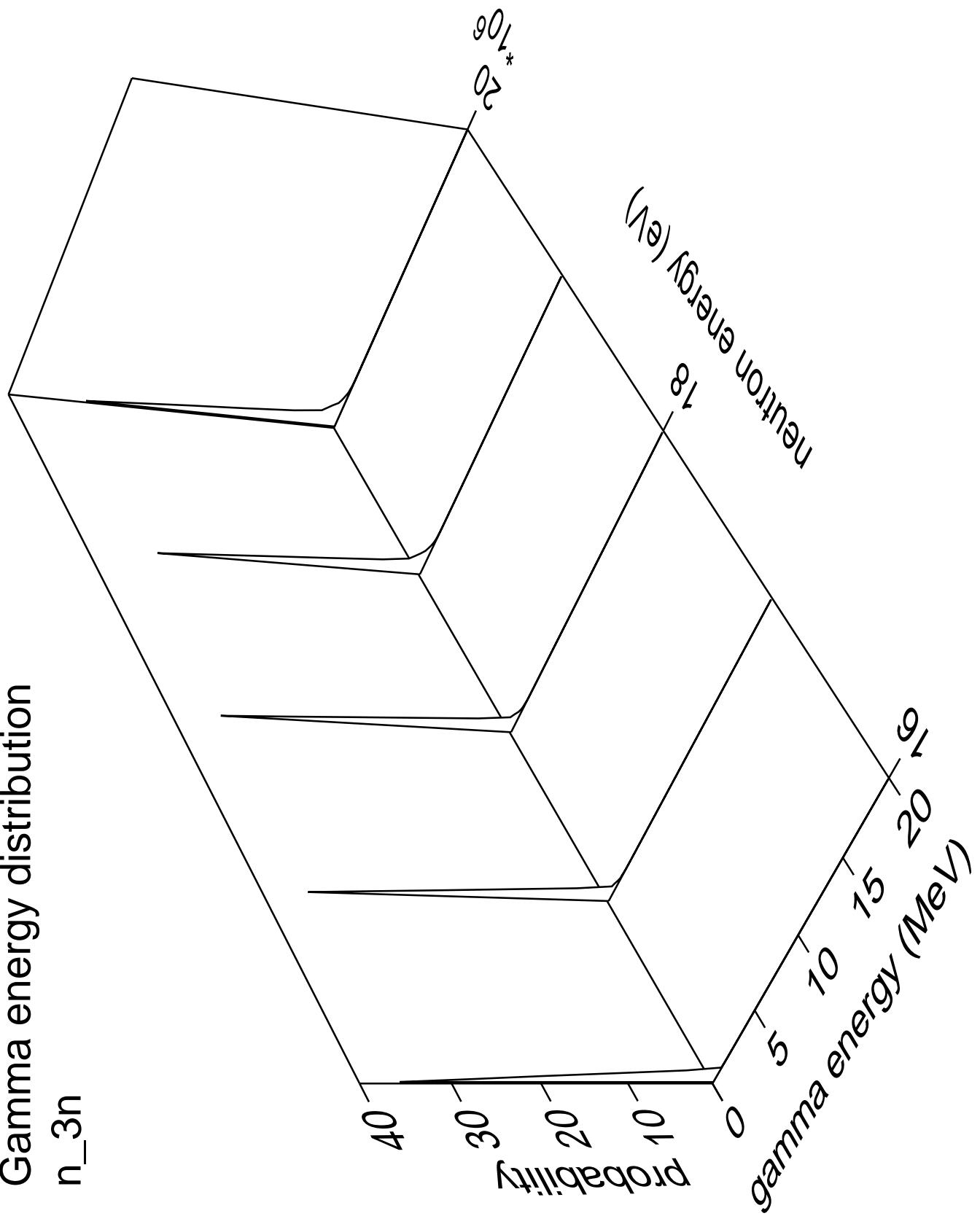


Gamma angles distribution  
n\_2n

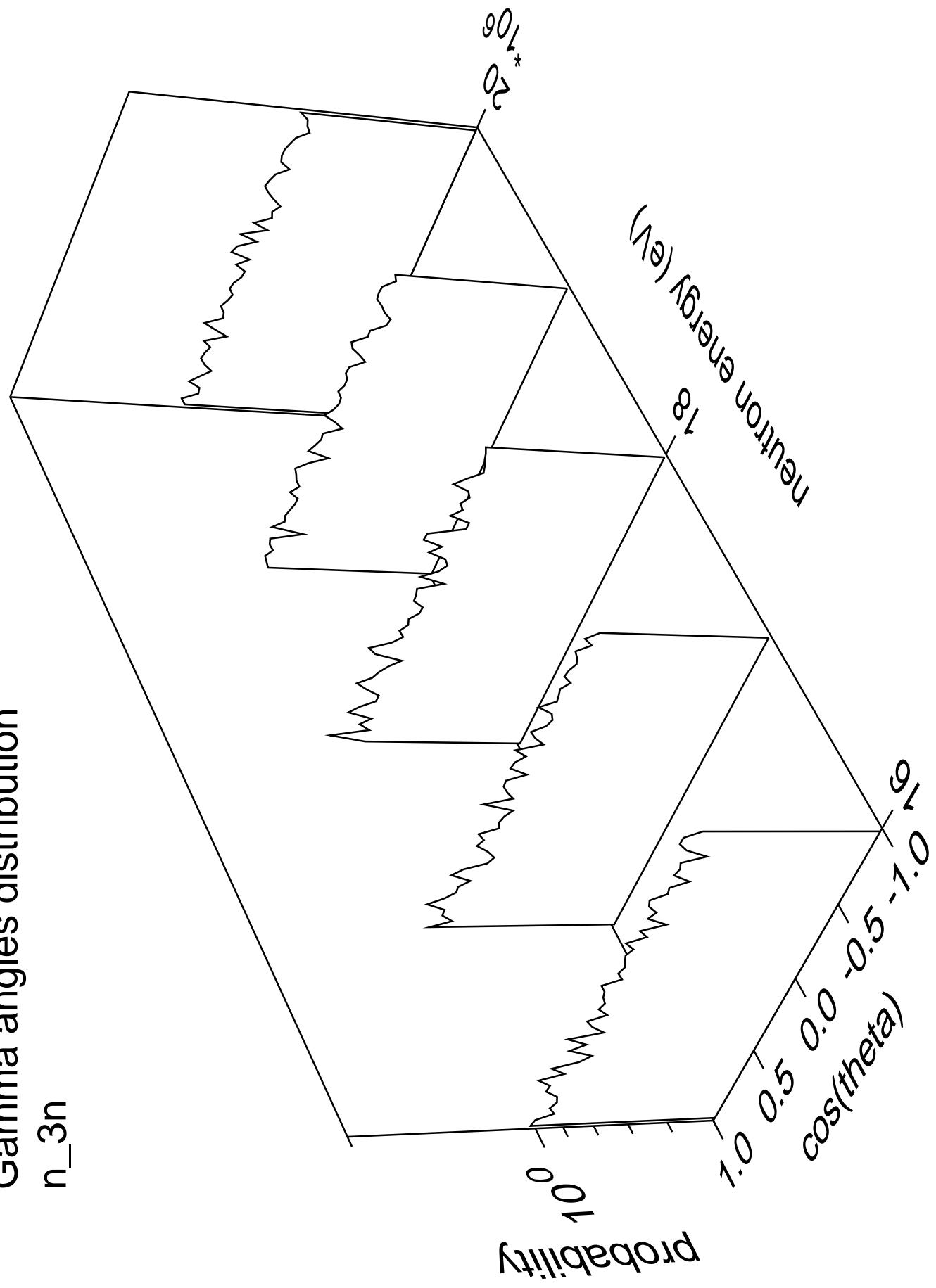


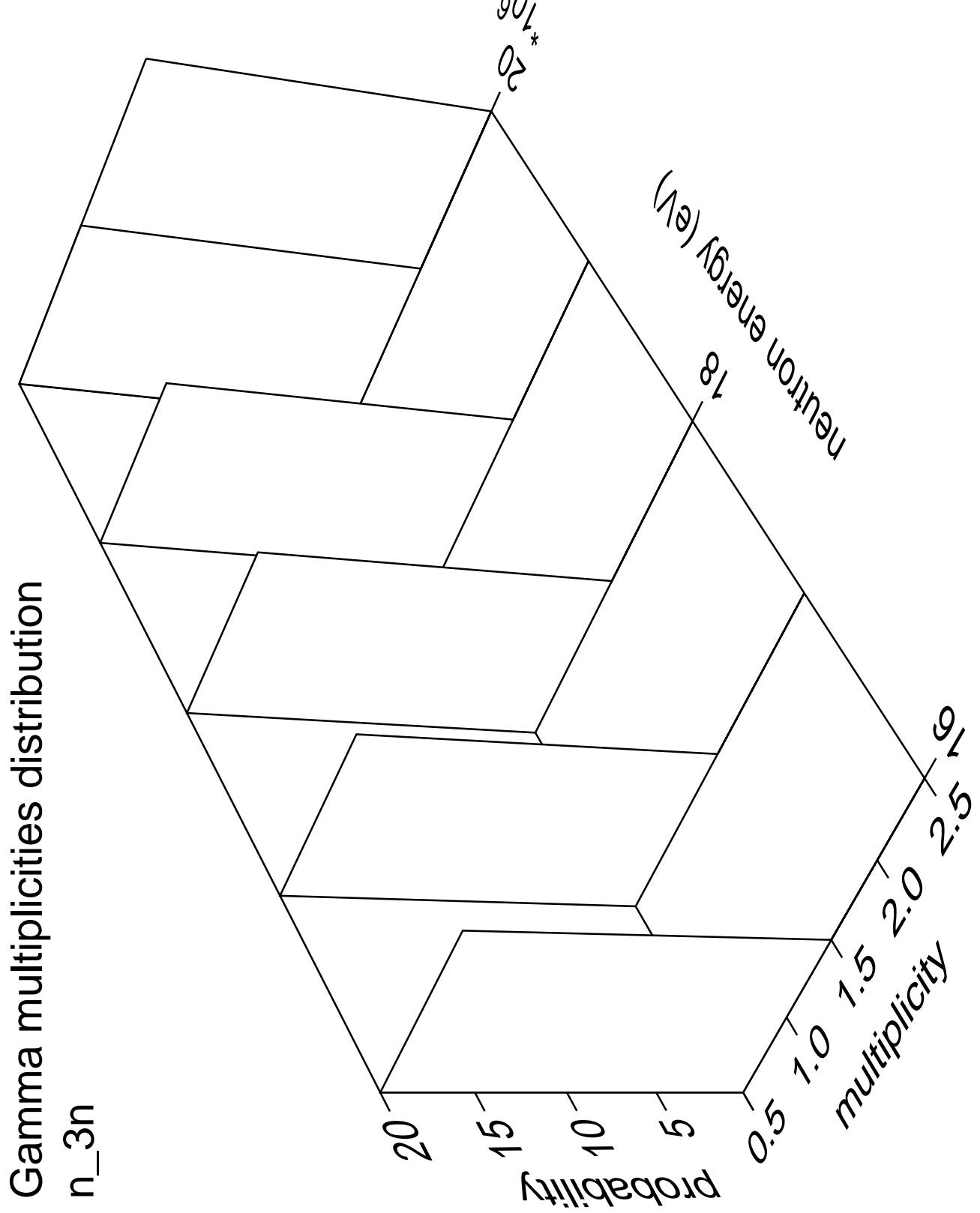


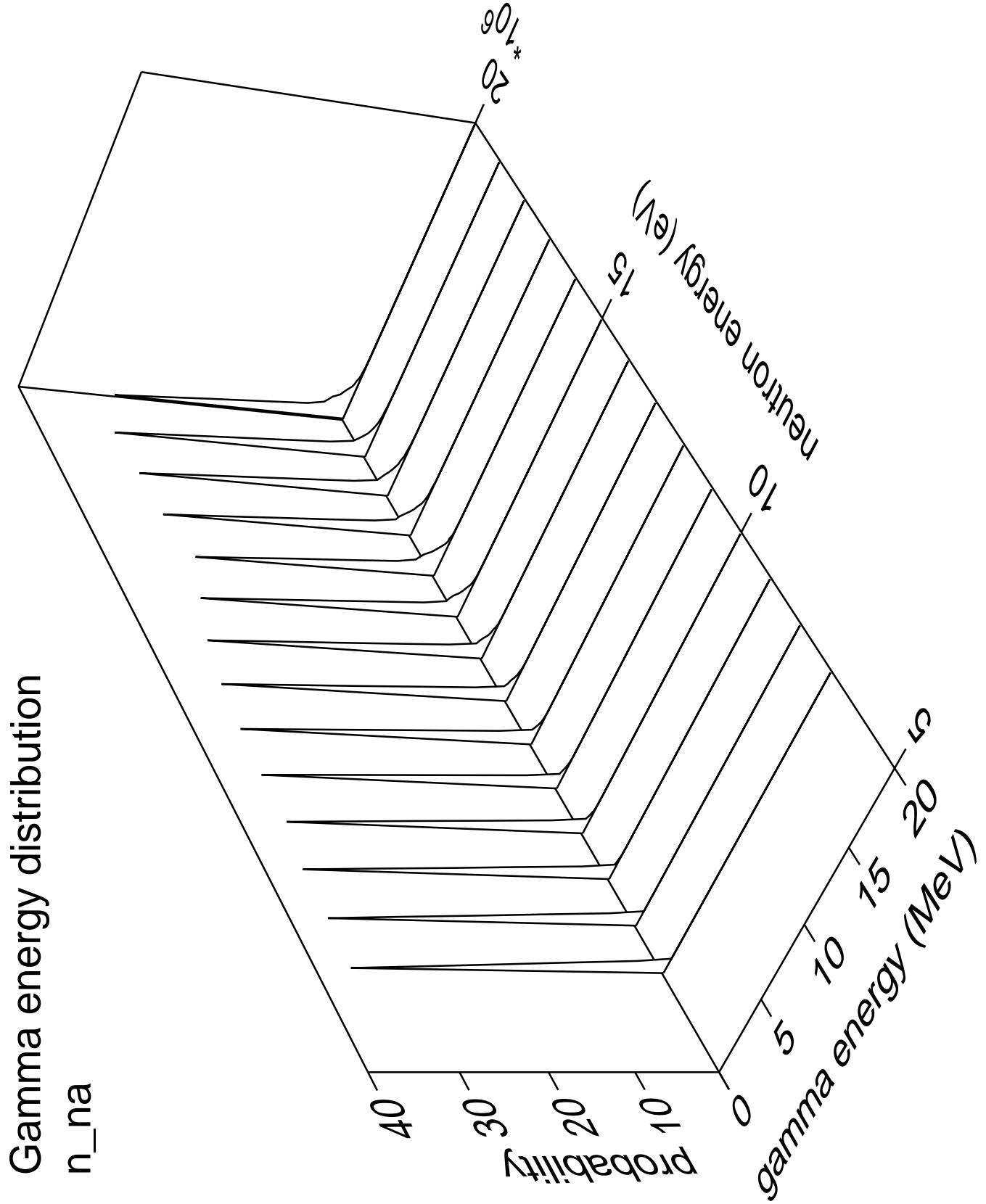
# Gamma energy distribution $n_{3n}$



Gamma angles distribution  
 $n_{3n}$

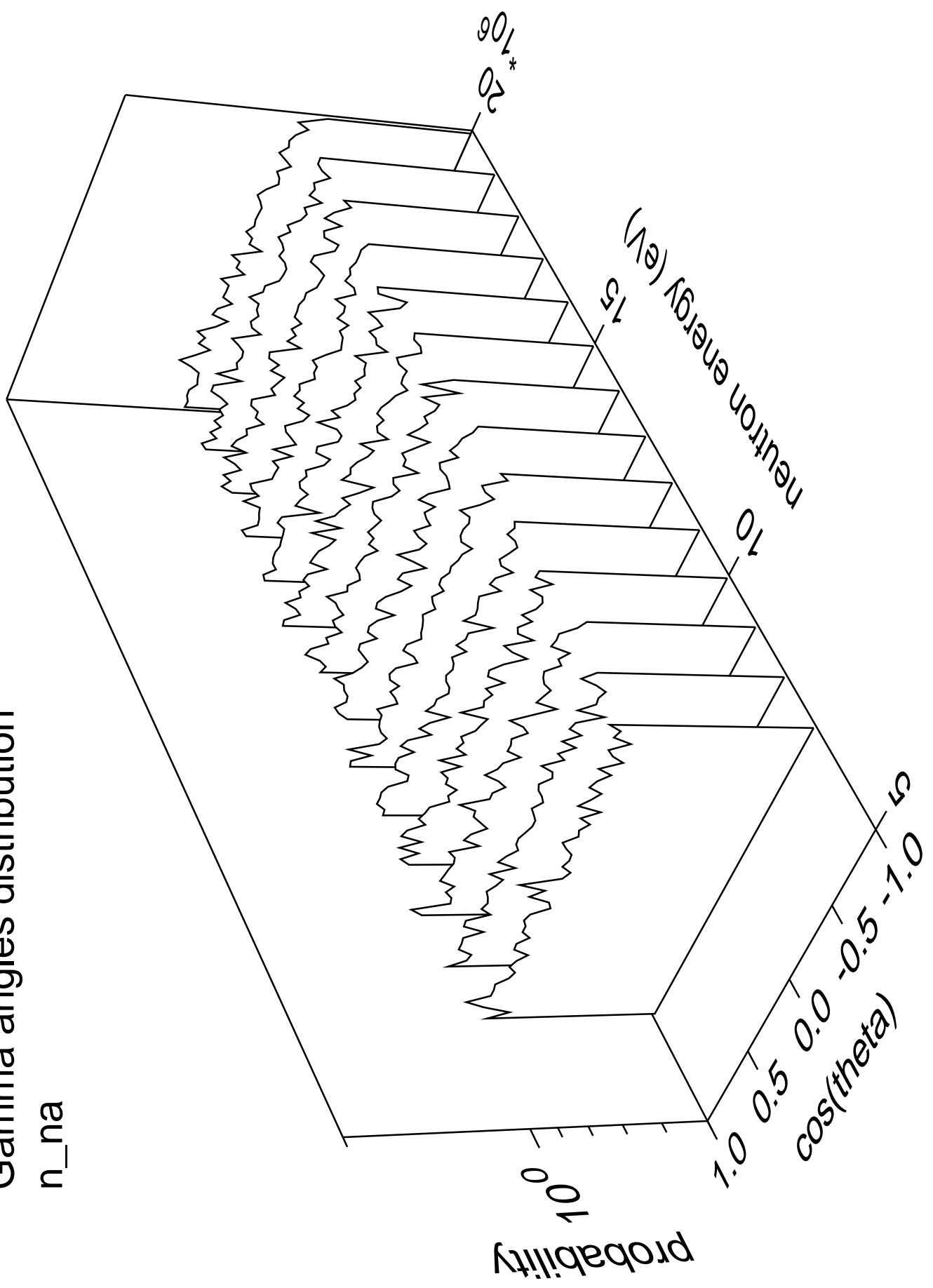


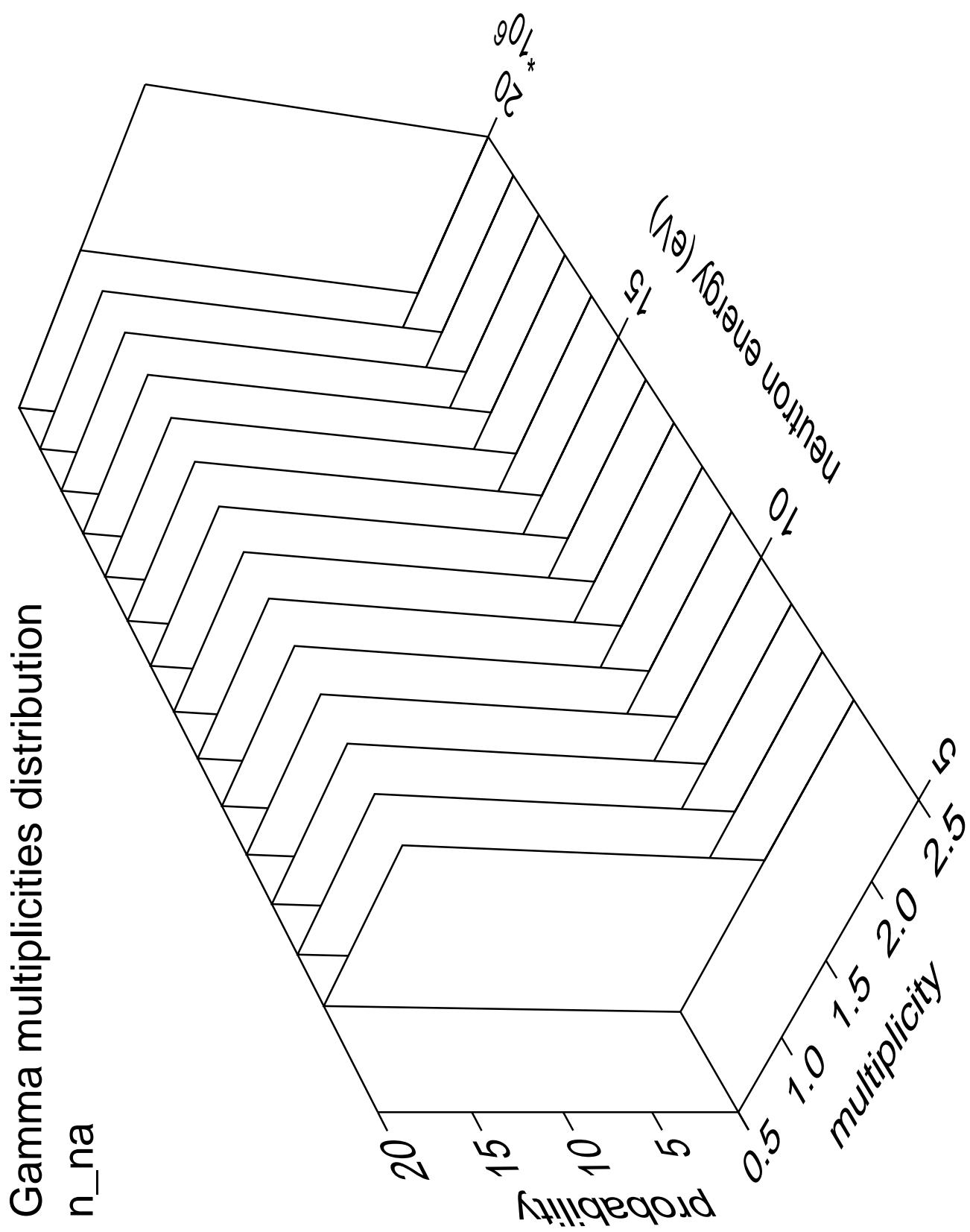


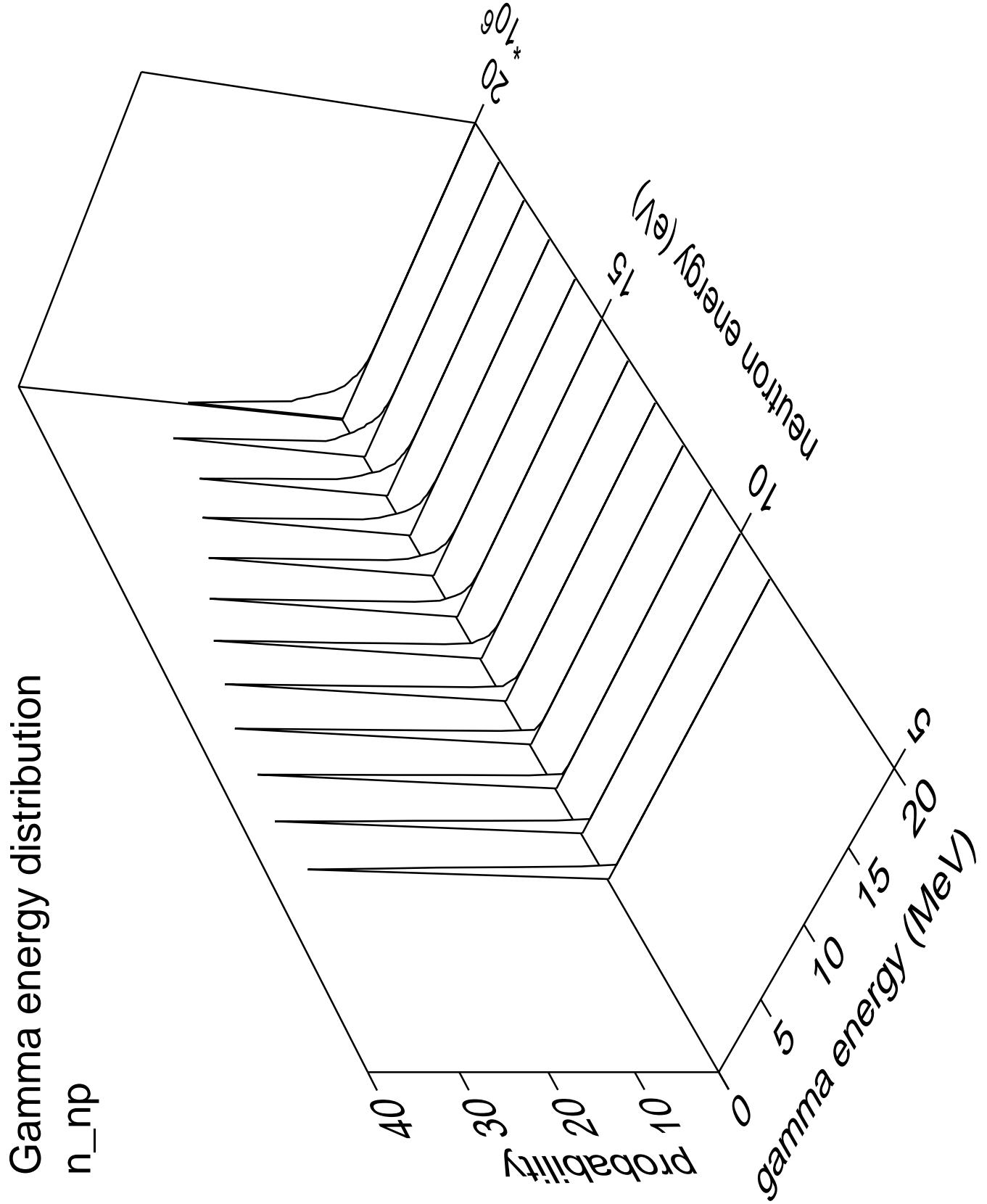


Gamma angles distribution

$n_{na}$







Gamma angles distribution

$n_{np}$

Probability

$10^0$

$10^1$

$10^2$

$10^3$

$10^4$

$10^5$

$10^6$

$10^7$

$10^8$

$10^9$

$10^{10}$

$10^{11}$

$10^{12}$

$10^{13}$

$10^{14}$

$10^{15}$

$10^{16}$

$10^{17}$

$10^{18}$

$10^{19}$

$10^{20}$

$\theta$

$20^\circ$

$15^\circ$

$10^\circ$

$5^\circ$

$0^\circ$

$-5^\circ$

$-10^\circ$

$-15^\circ$

$-20^\circ$

$-25^\circ$

$-30^\circ$

neutron energy (eV)

$10^0$

$10^1$

$10^2$

$10^3$

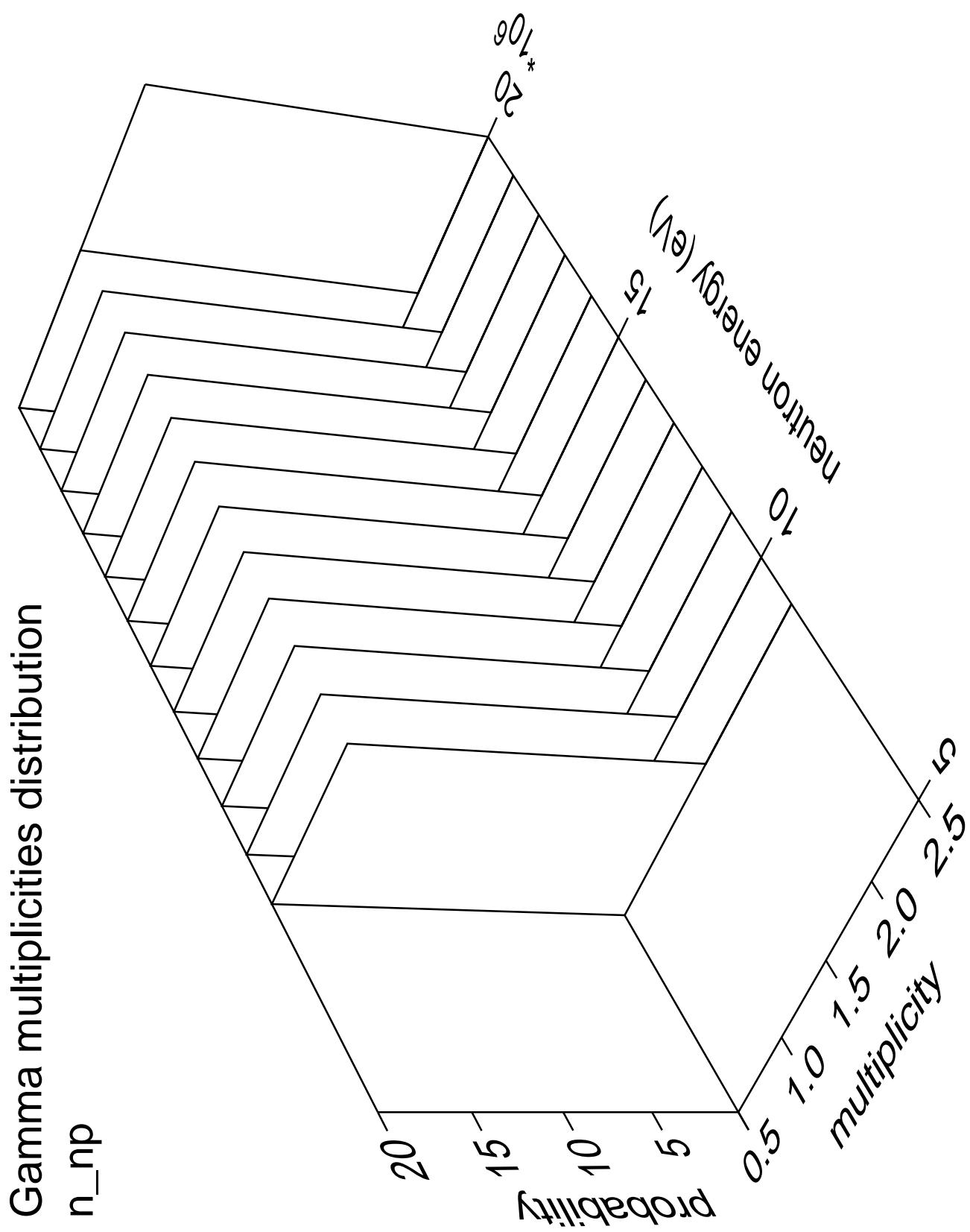
$10^4$

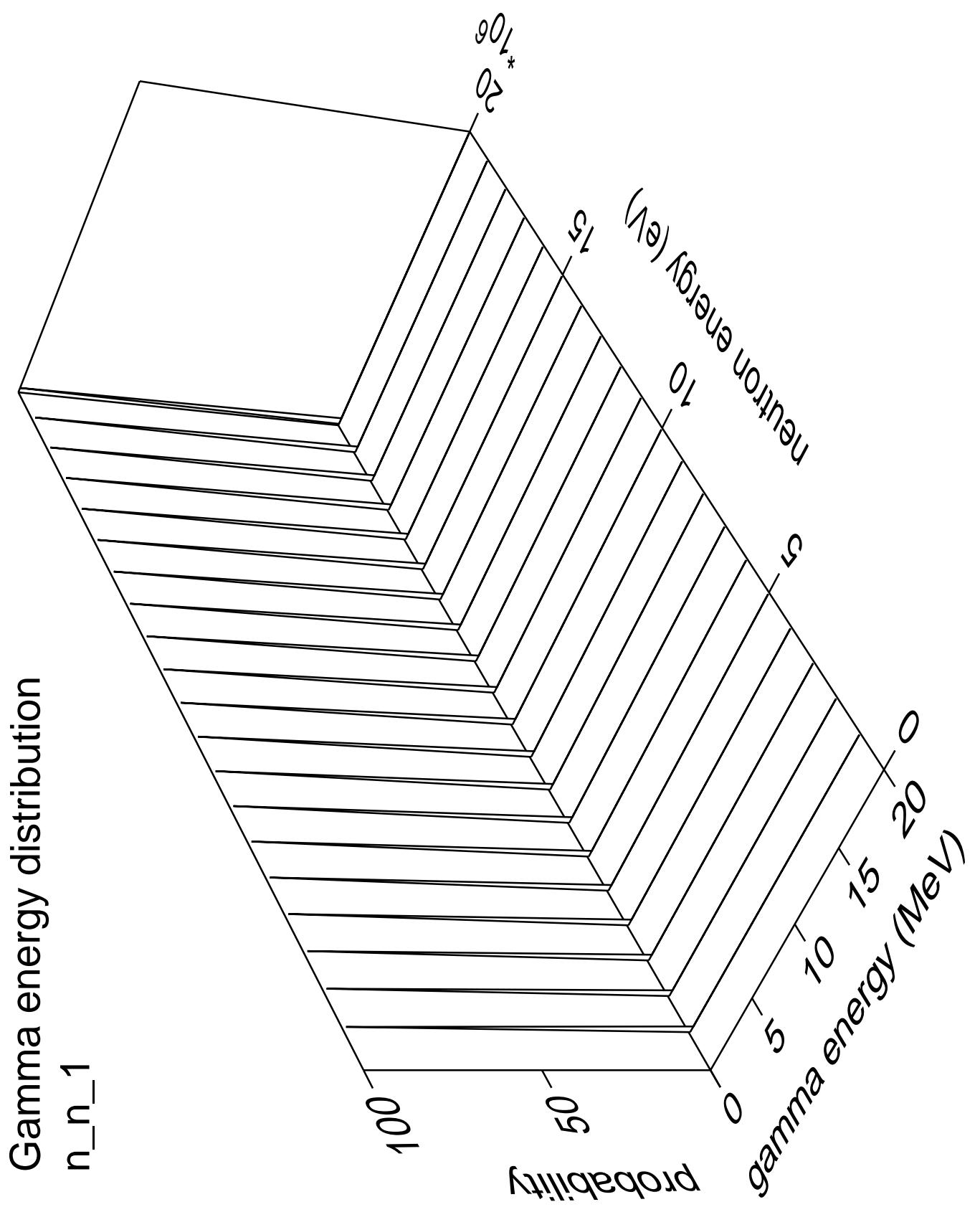
$10^5$

$10^6$

$10^7$

$\cos(\theta)$





Gamma angles distribution

$n_{n_1}$

Probability

$10^0$

$\cos(\theta)$

$1.0$

$0.5$

$0.0$

$-0.5$

$-1.0$

neutron energy (eV)

$10$

$5$

$20$

$100$

$100$

$20$

$15$

$10$

$5$

$20$

$15$

$10$

$5$

$20$

$15$

$10$

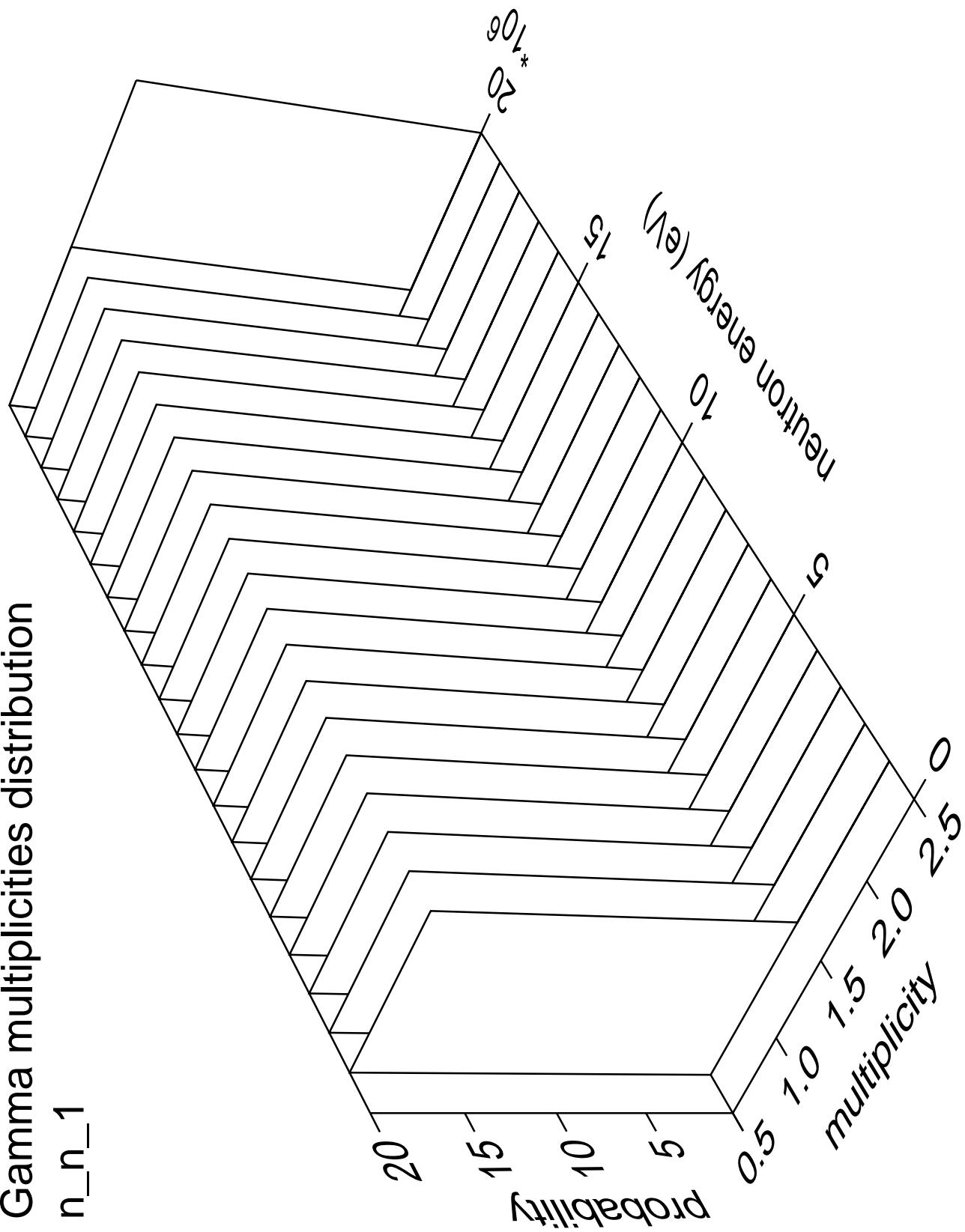
$5$

$20$

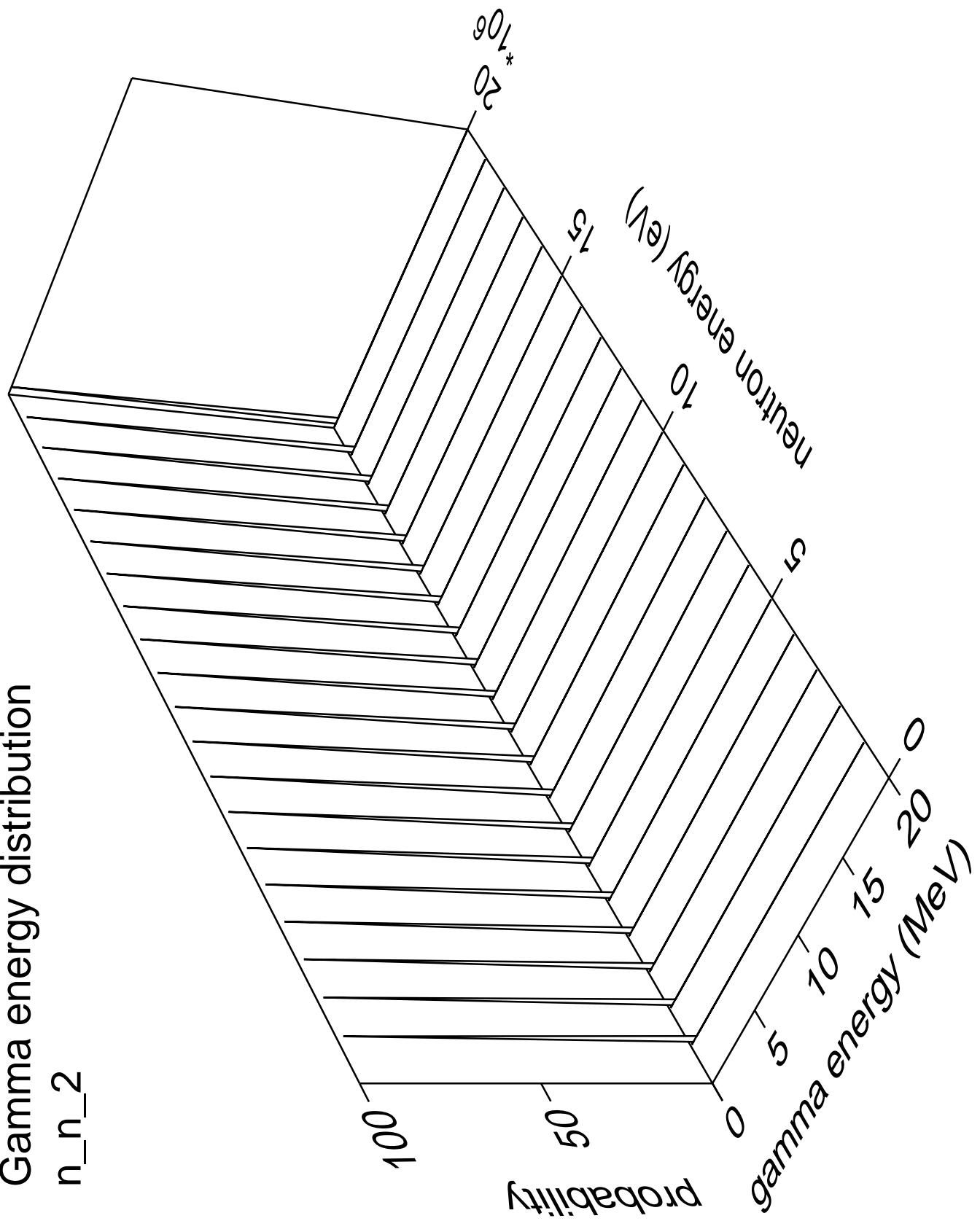
$15$

$10$

# Gamma multiplicities distribution

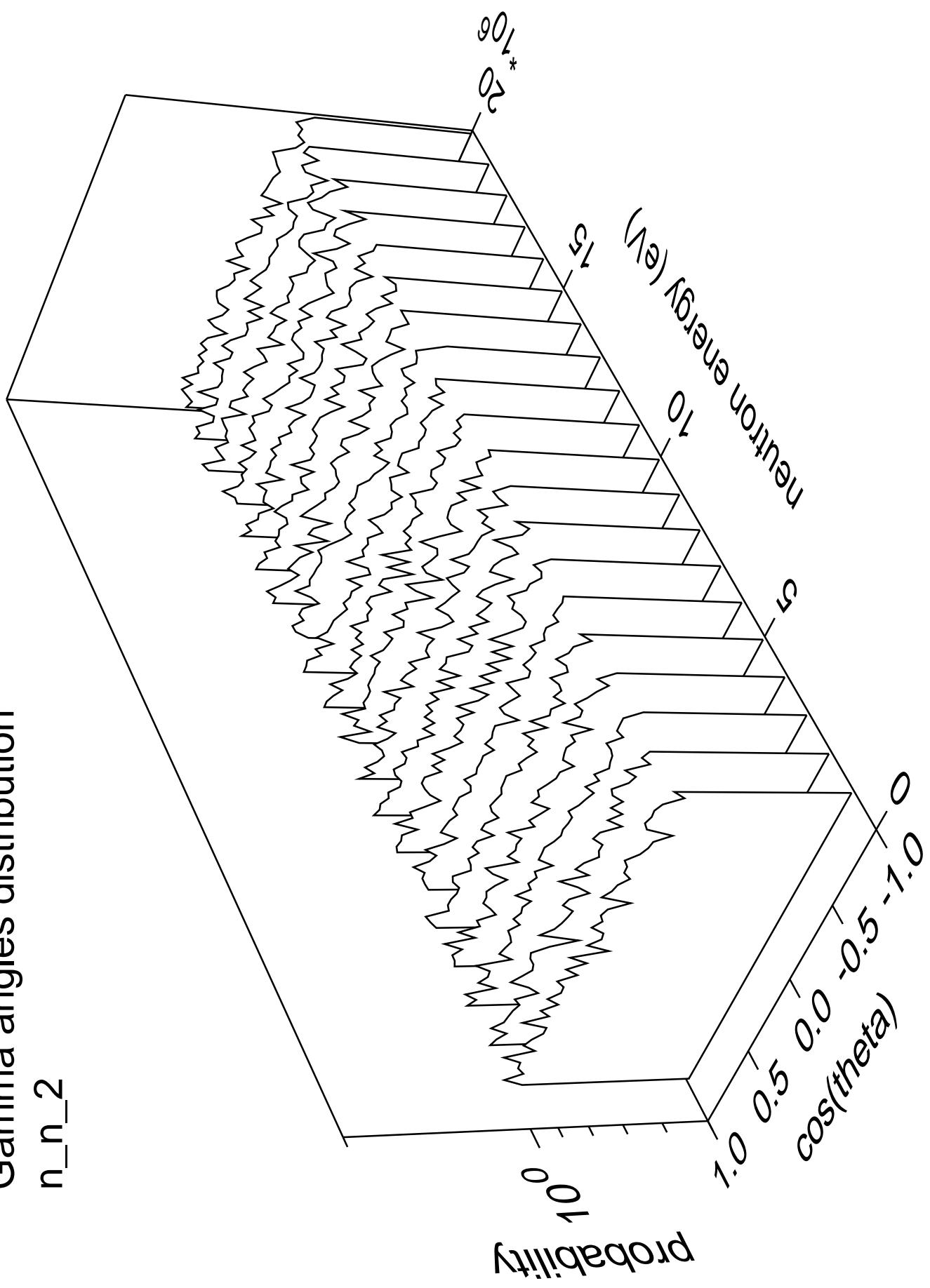


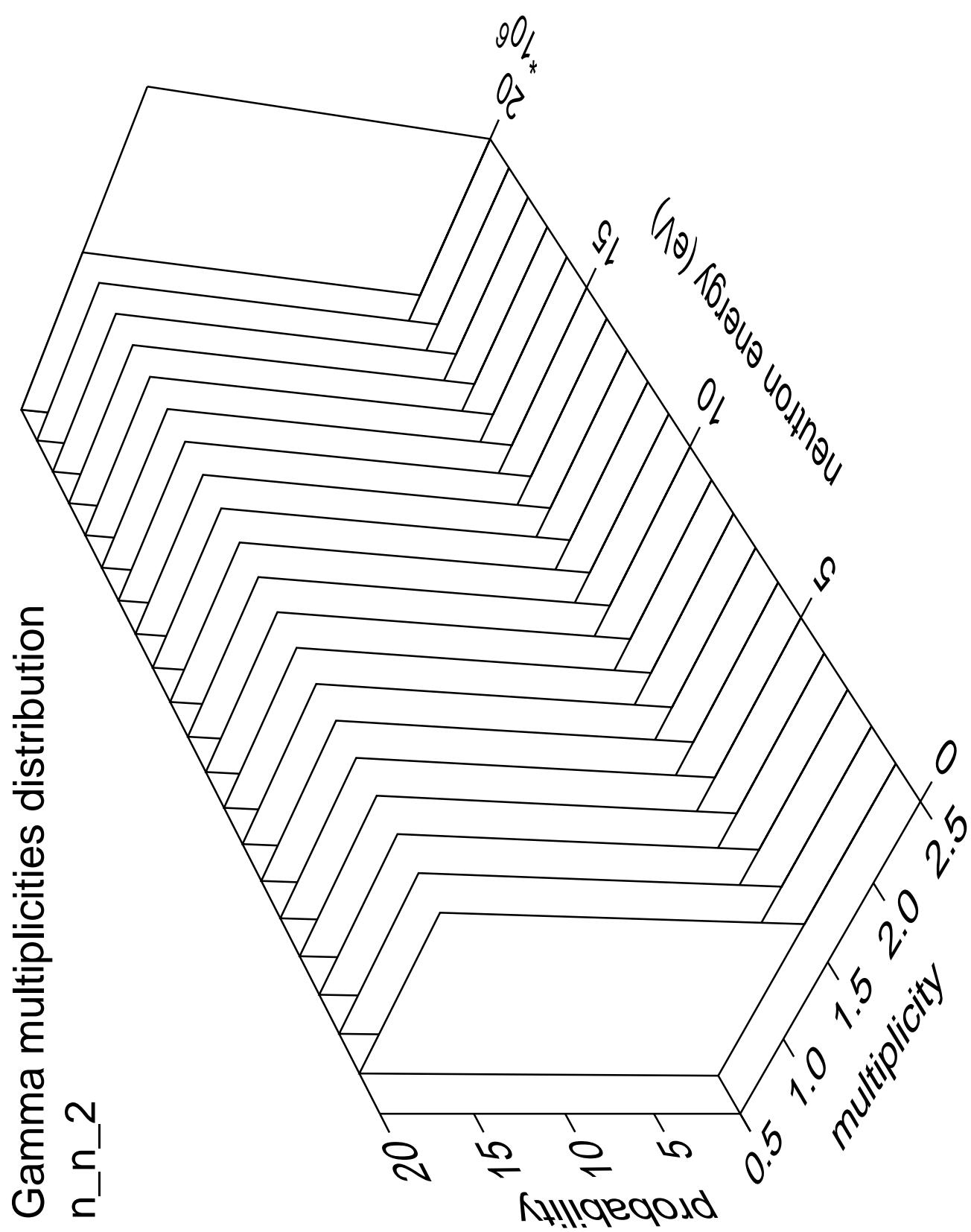
## Gamma energy distribution



Gamma angles distribution

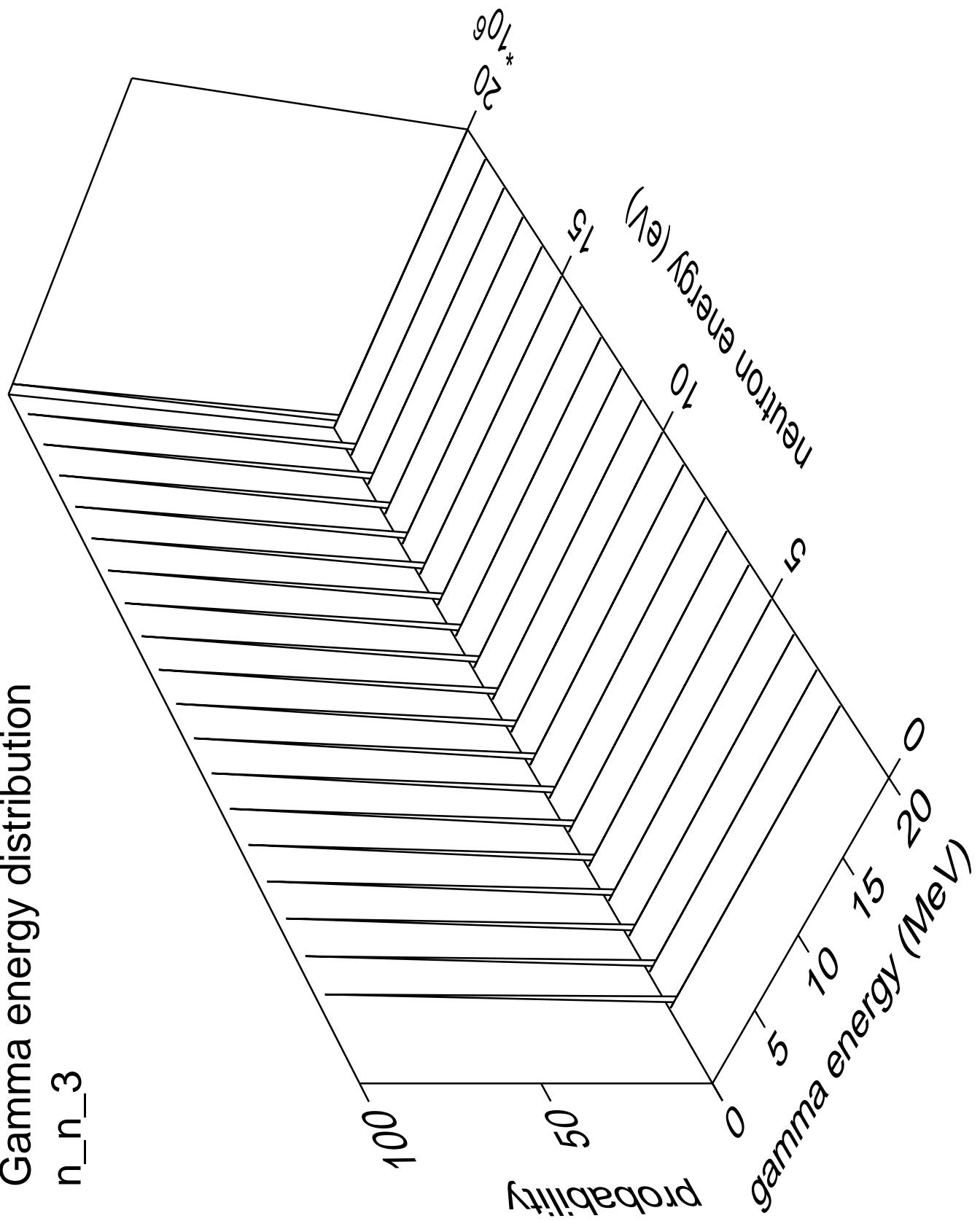
$n_n_2$





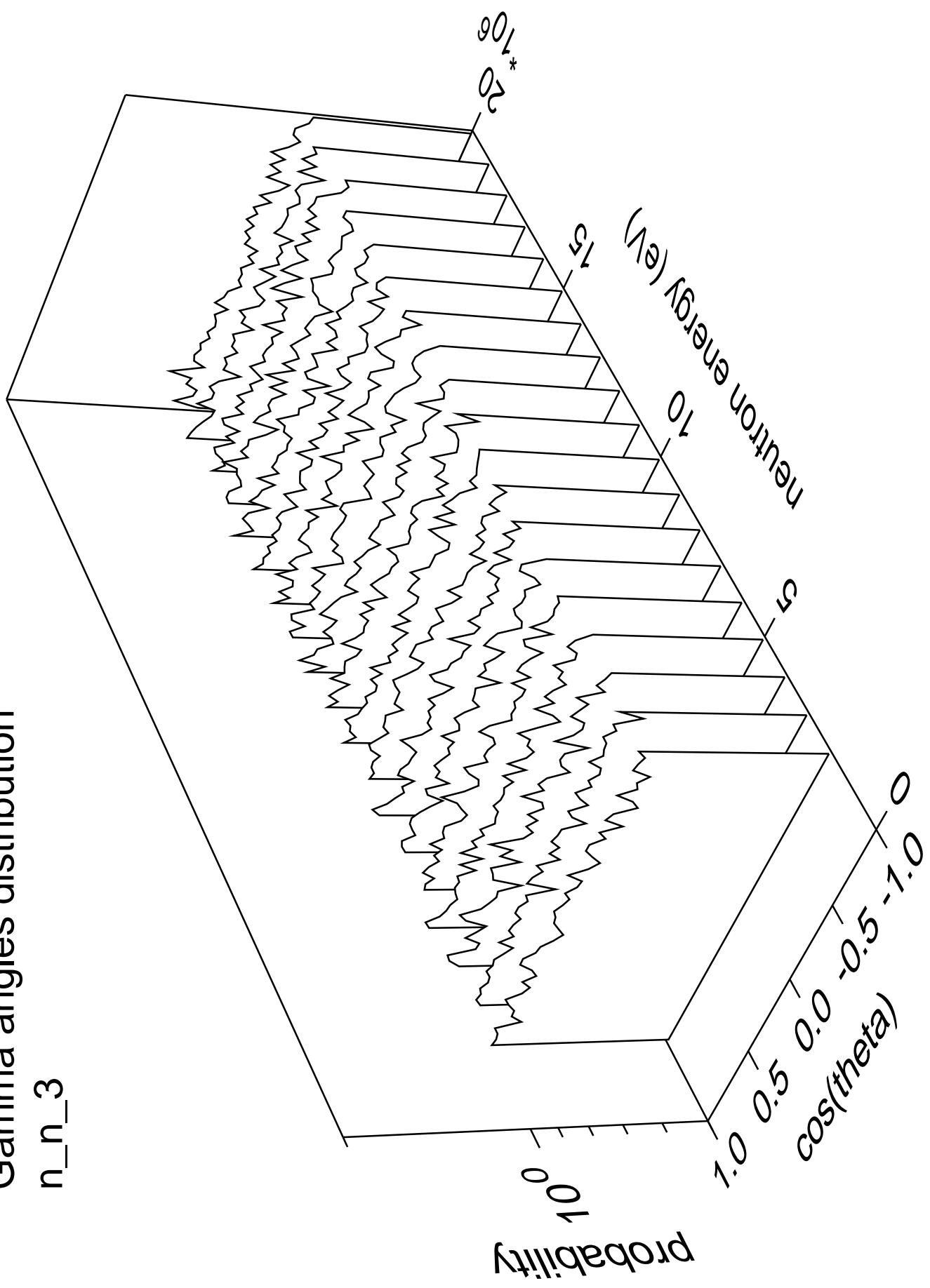
Gamma energy distribution

n\_n\_3

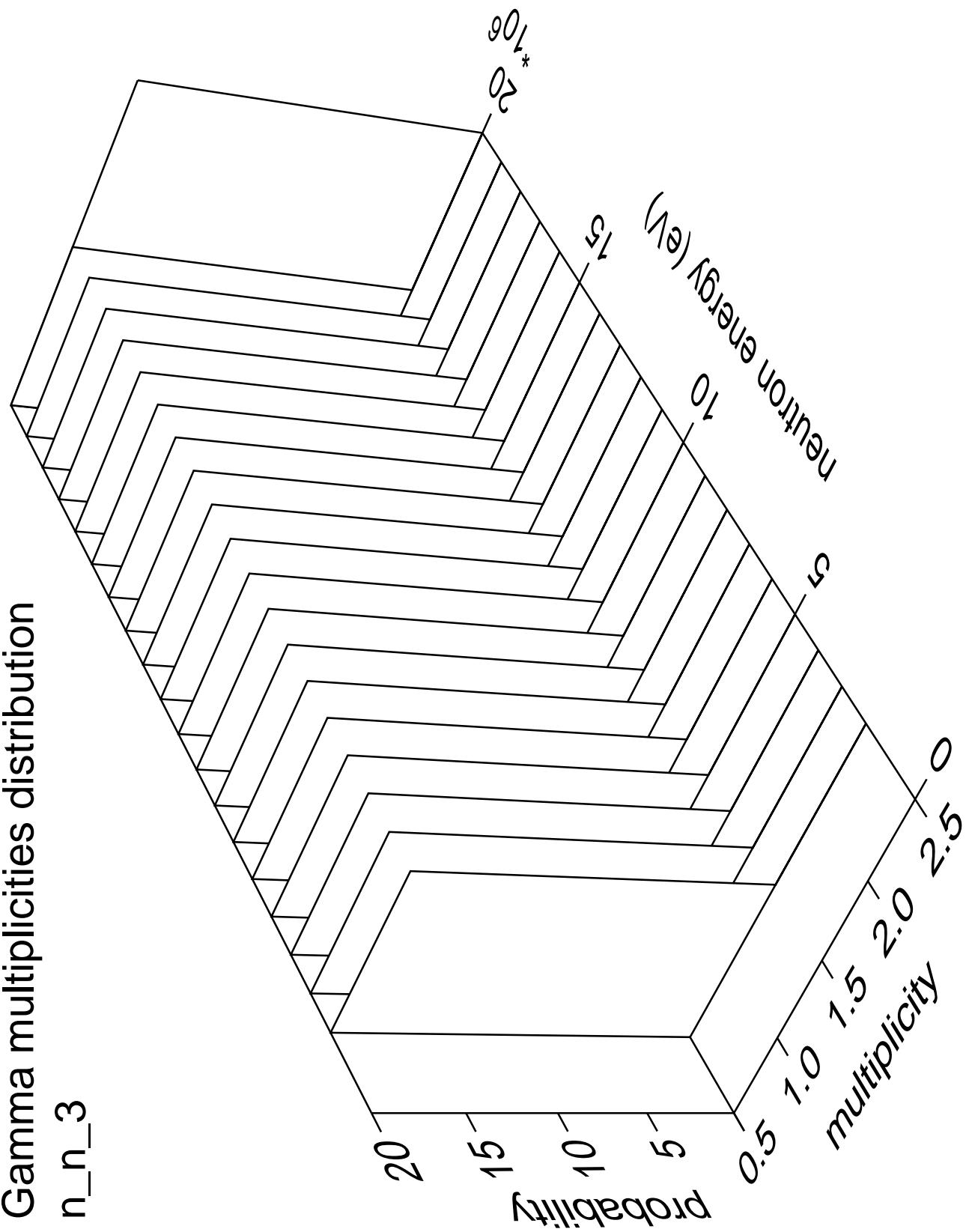


Gamma angles distribution

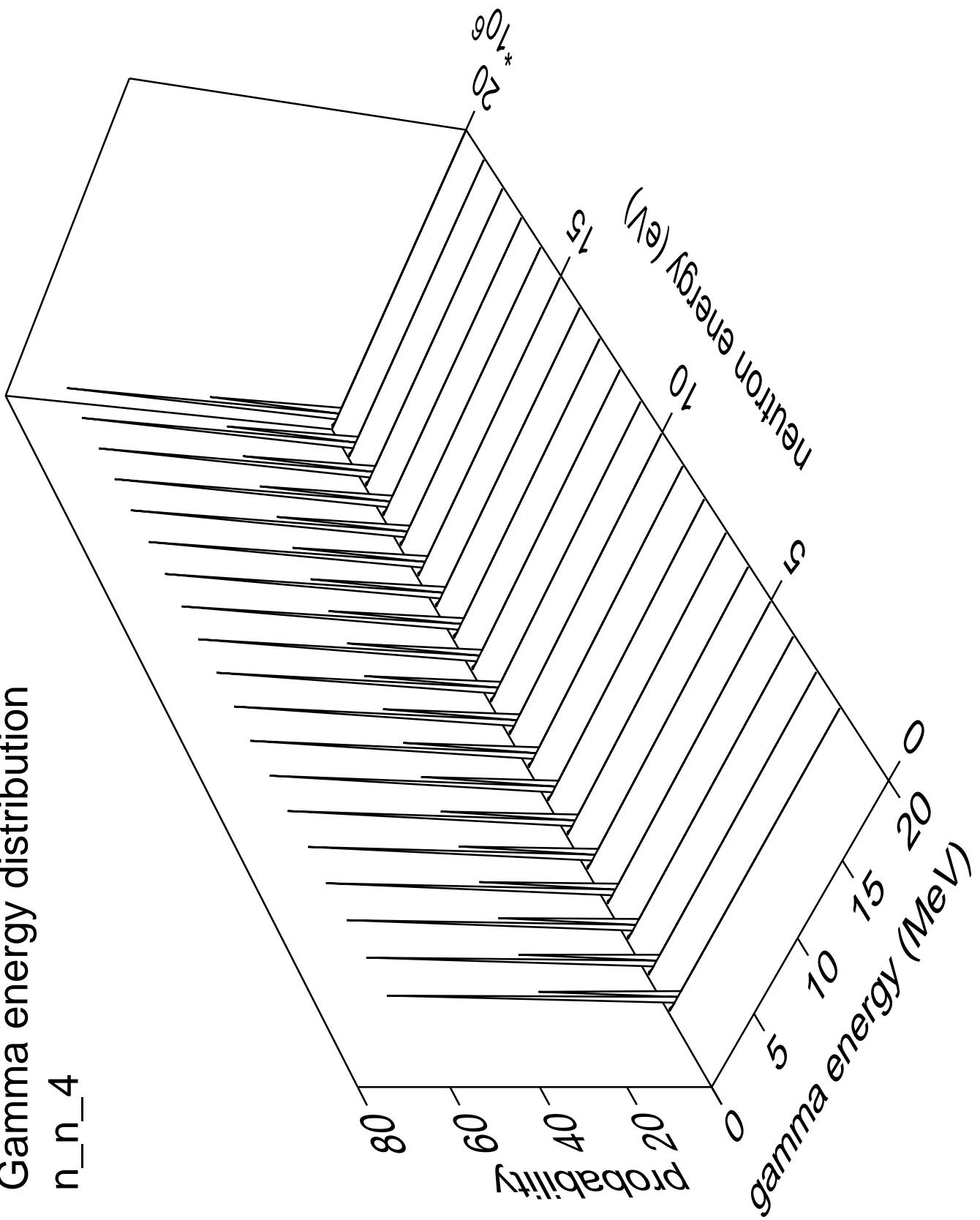
$n_n_3$



### Gamma multiplicities distribution

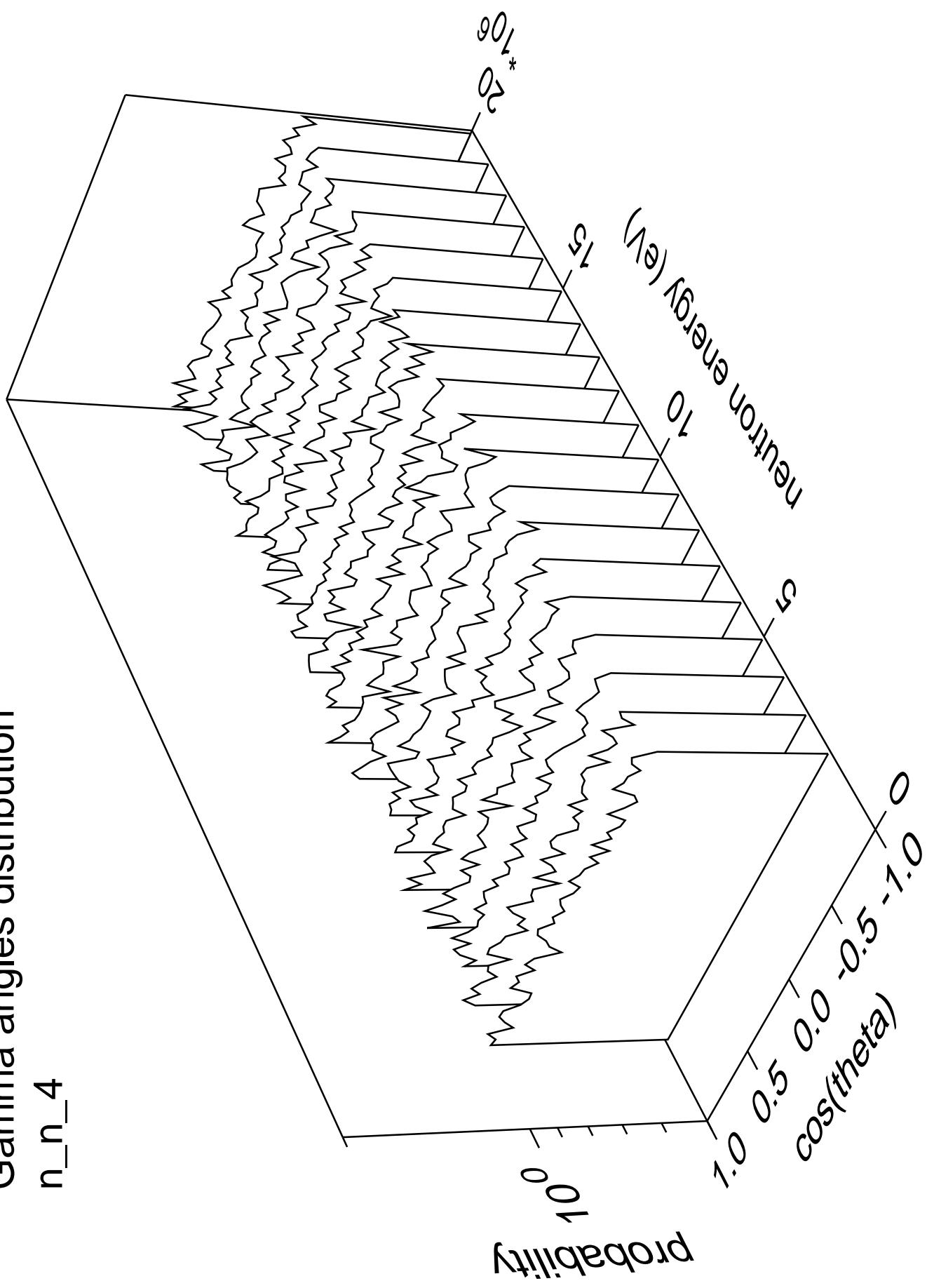


# Gamma energy distribution n\_n\_4

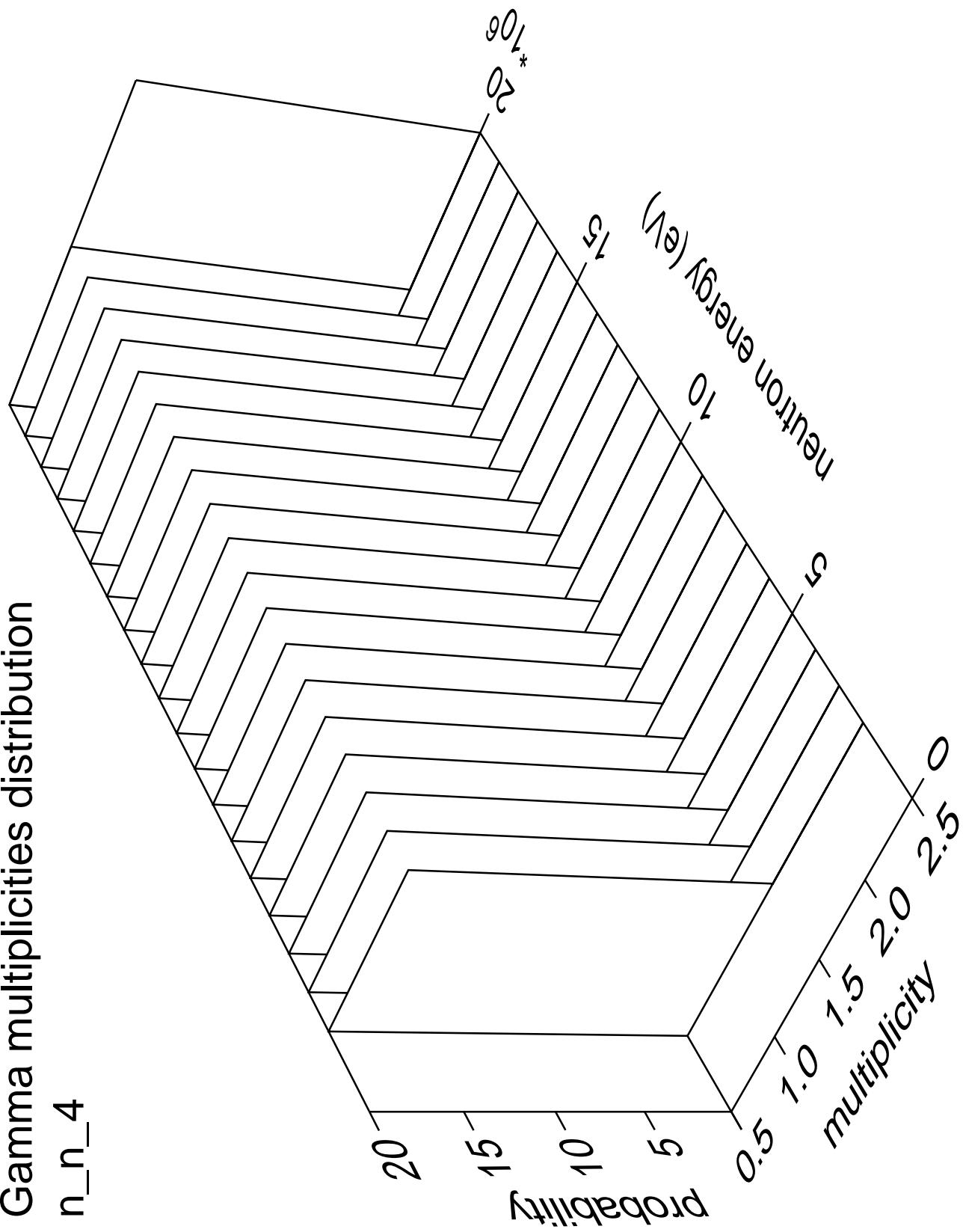


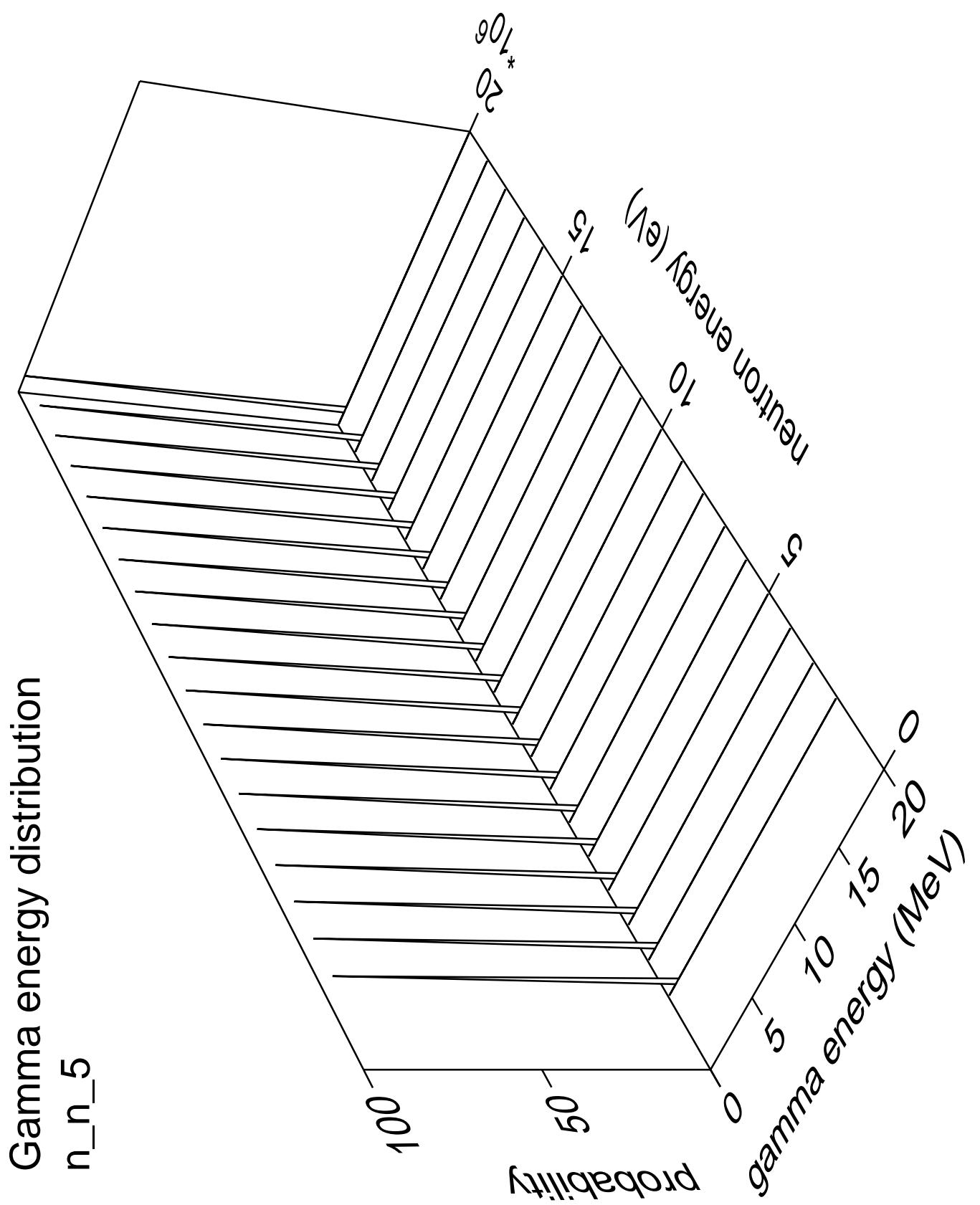
Gamma angles distribution

n\_n\_4



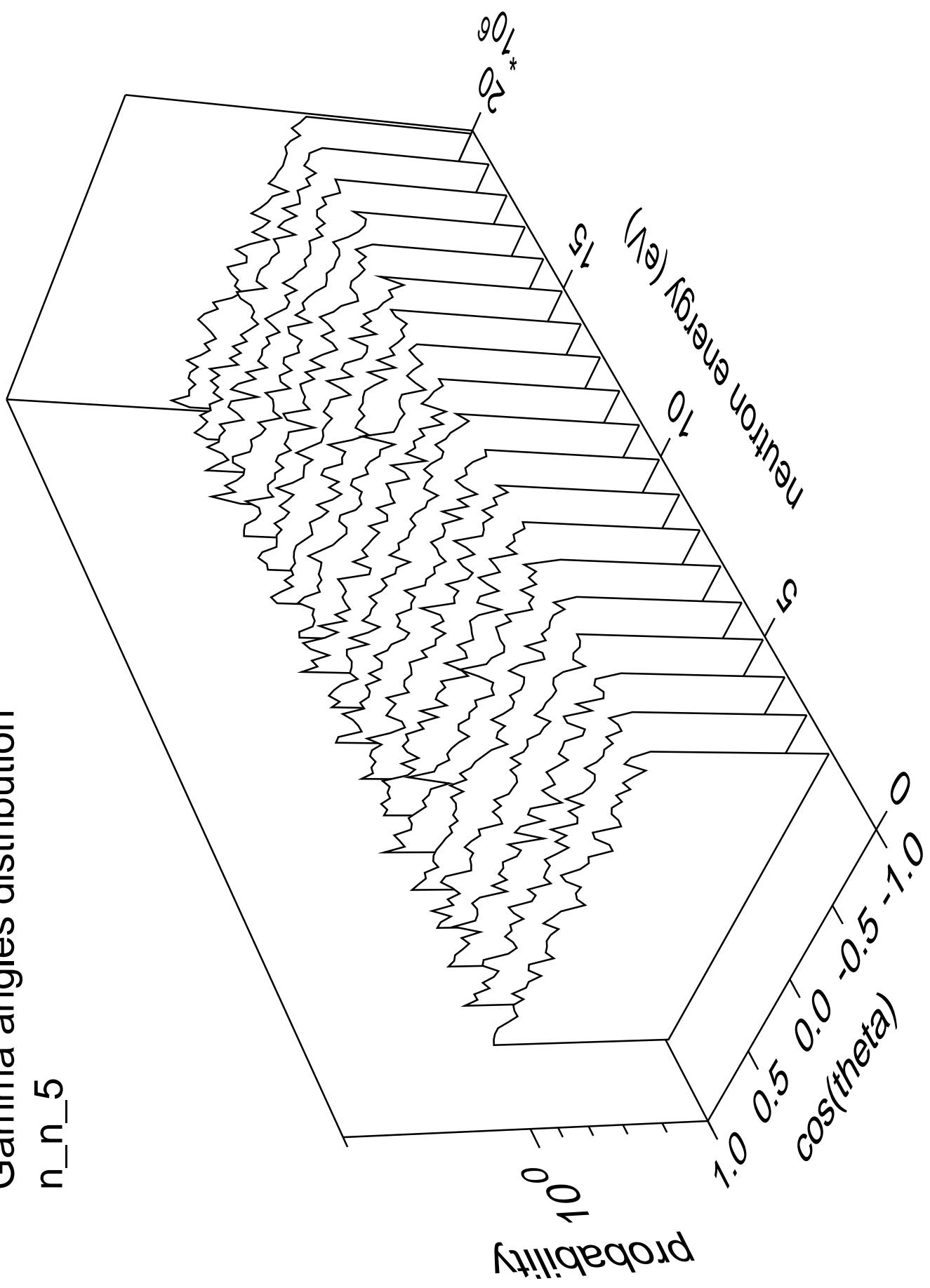
# Gamma multiplicities distribution



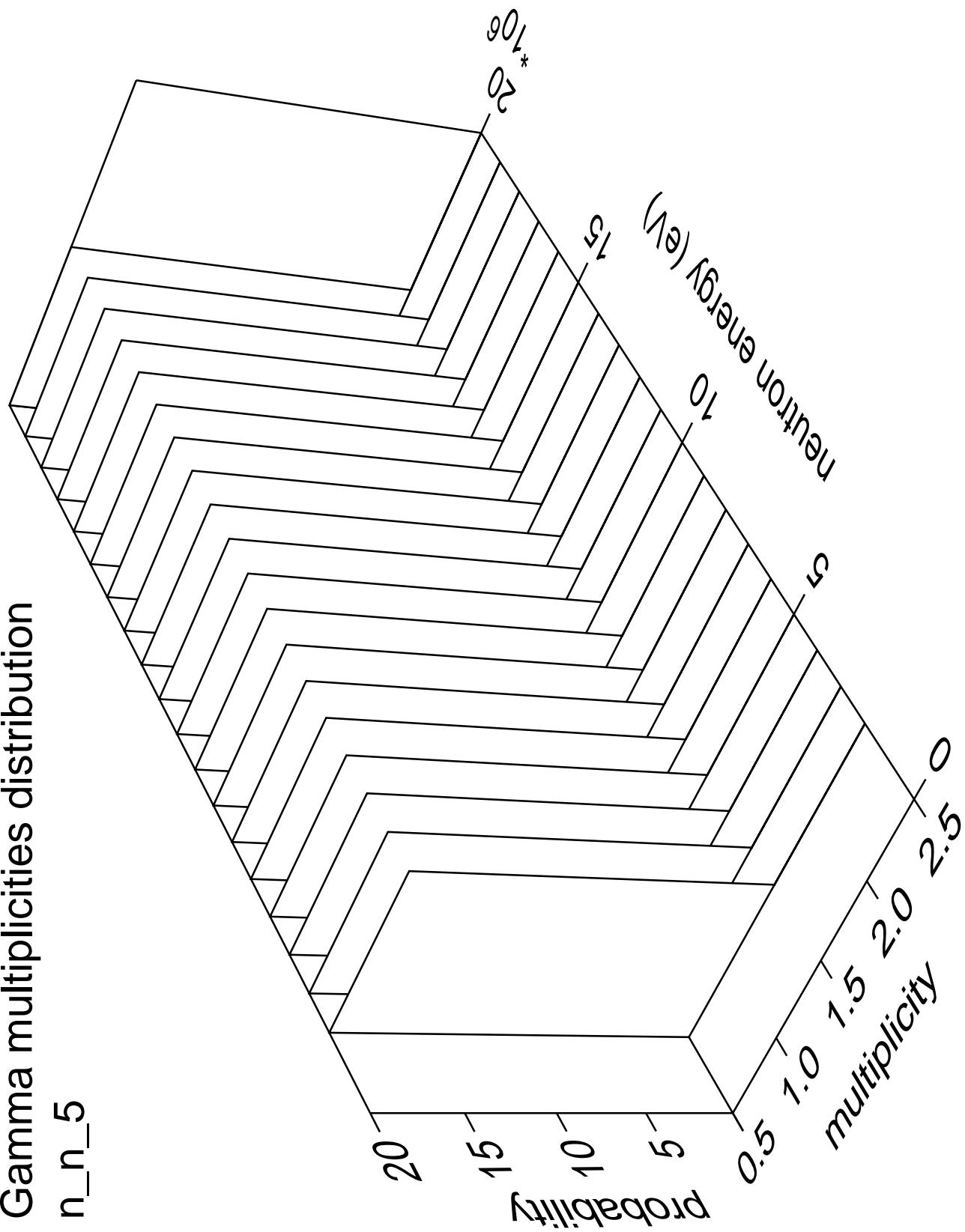


Gamma angles distribution

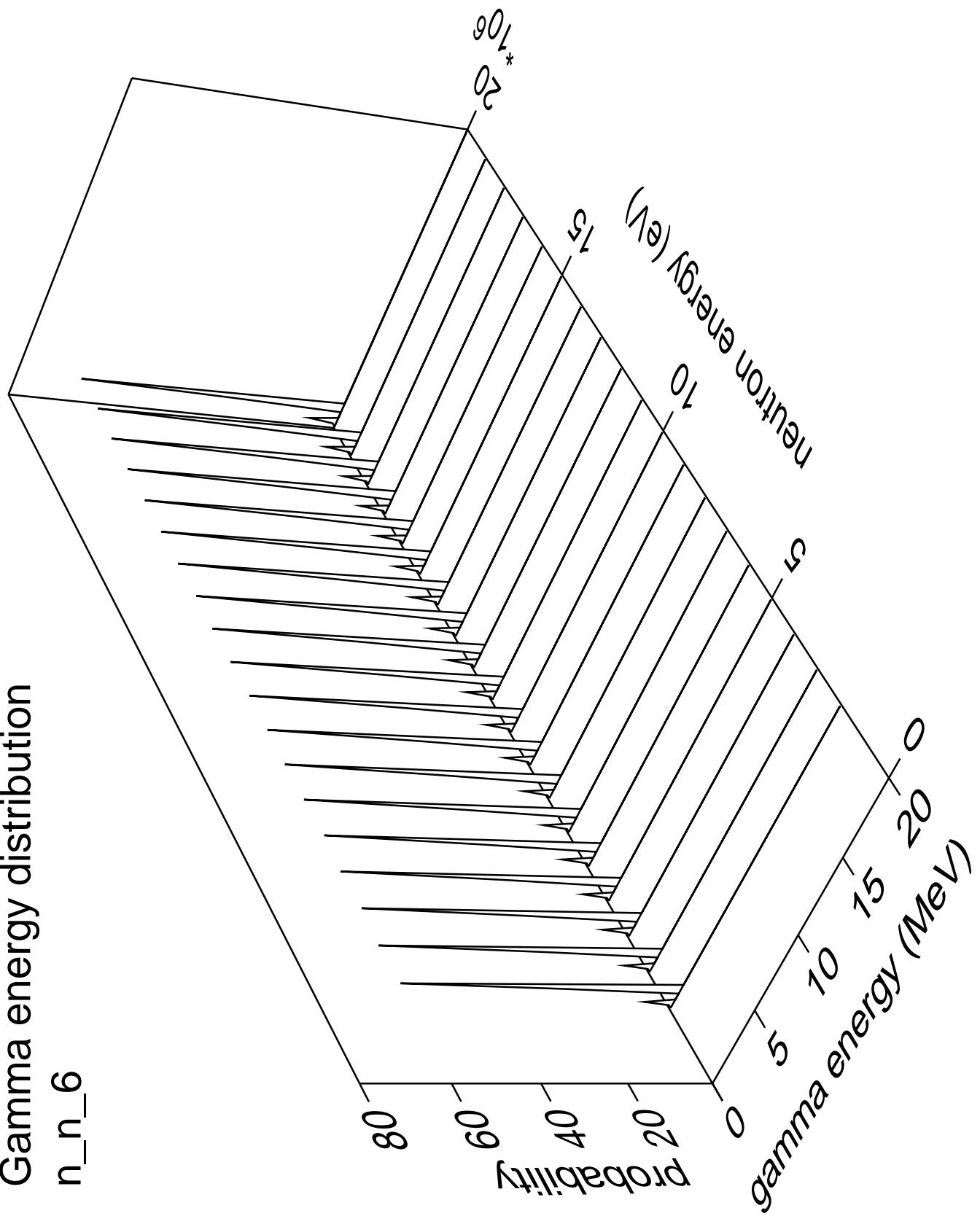
n\_n\_5



## Gamma multiplicities distribution

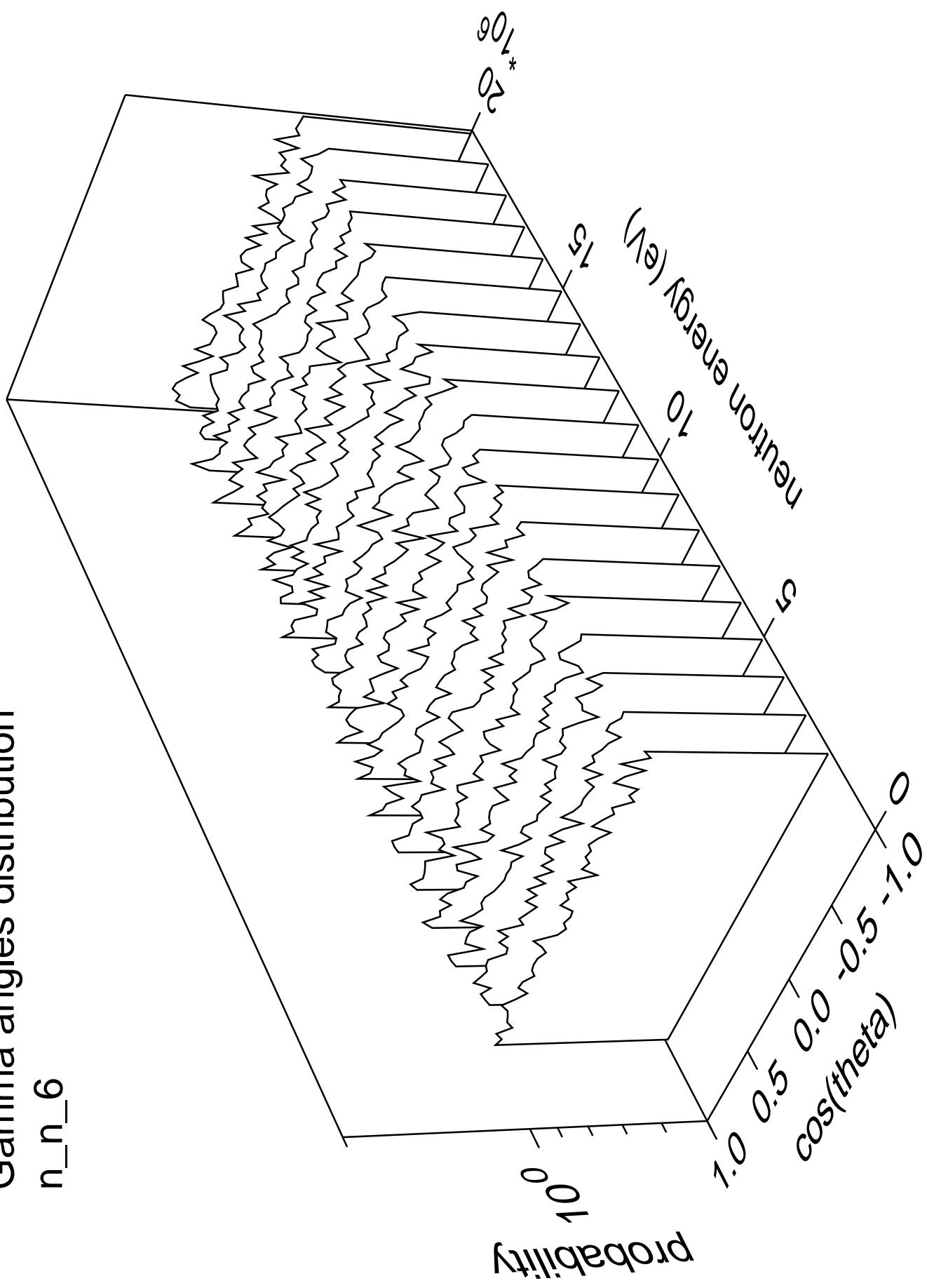


## Gamma energy distribution

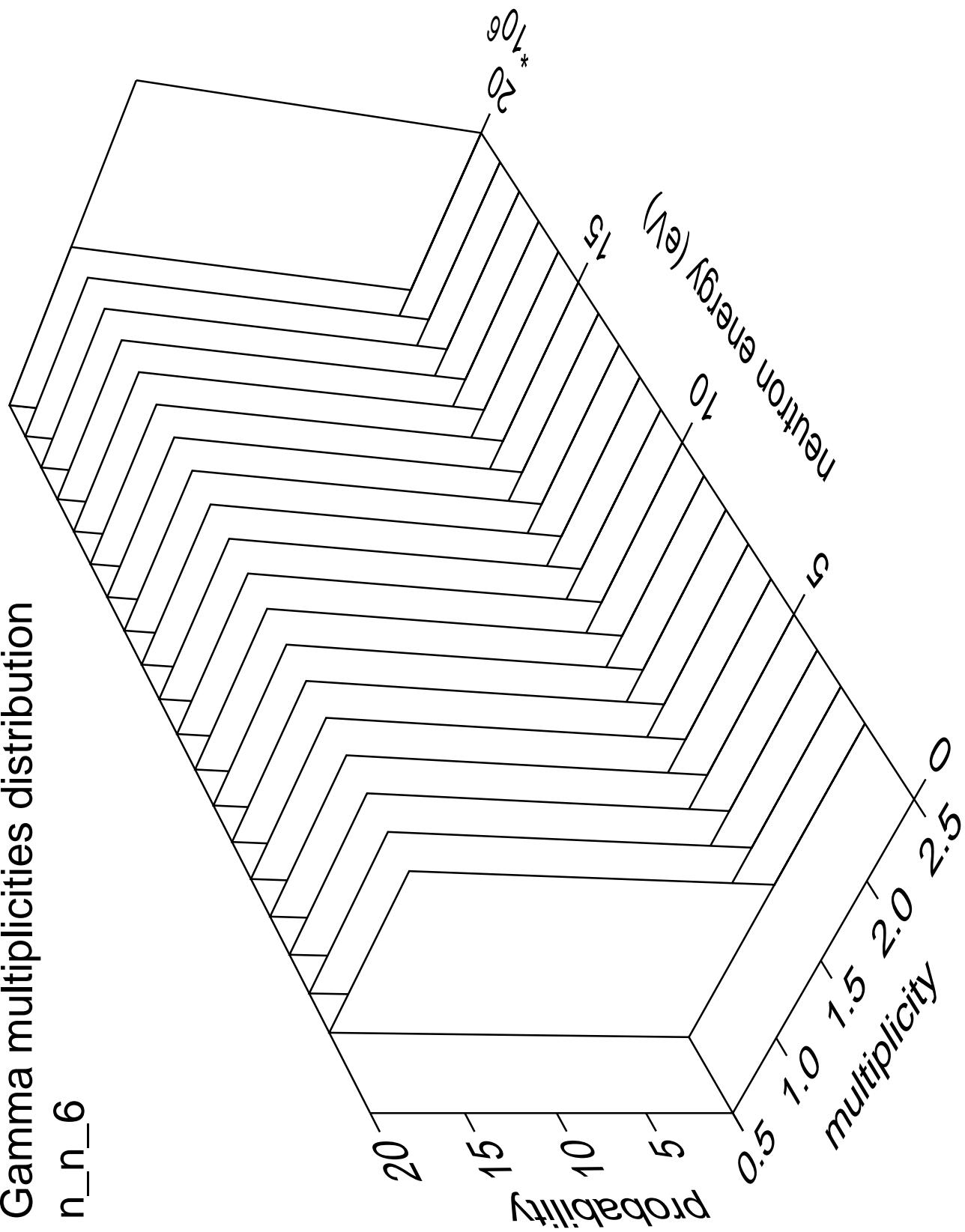


Gamma angles distribution

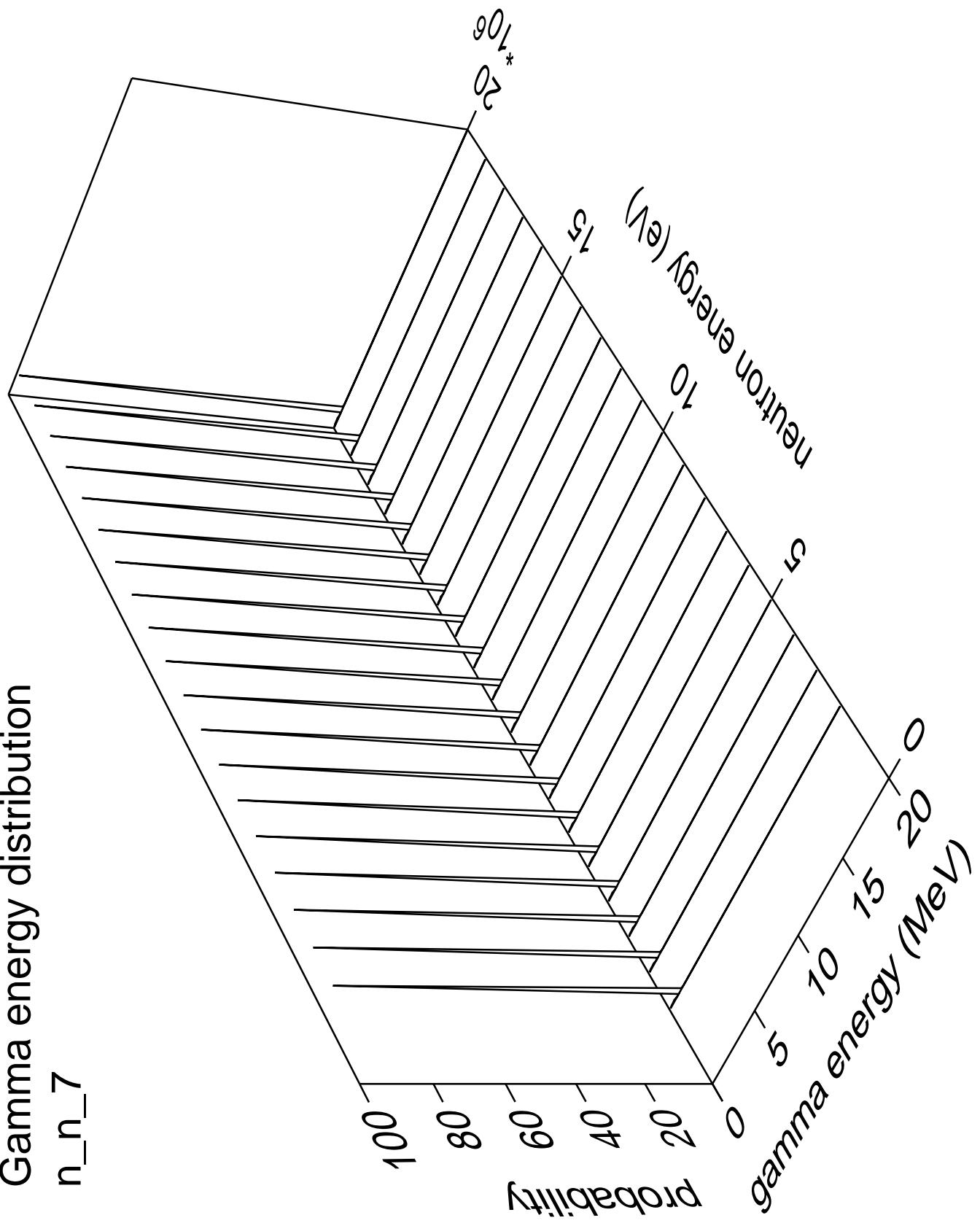
n\_n\_6



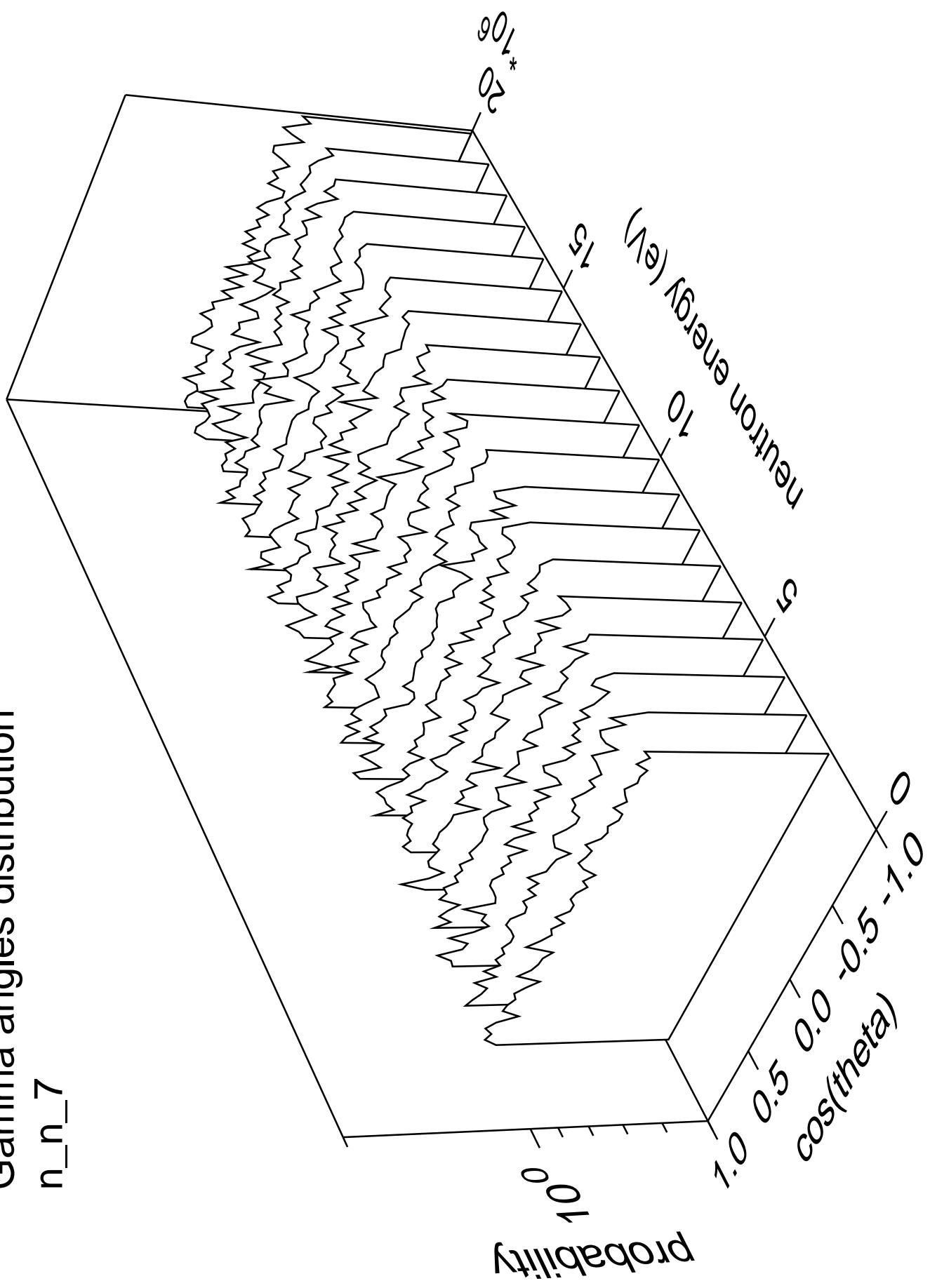
# Gamma multiplicities distribution



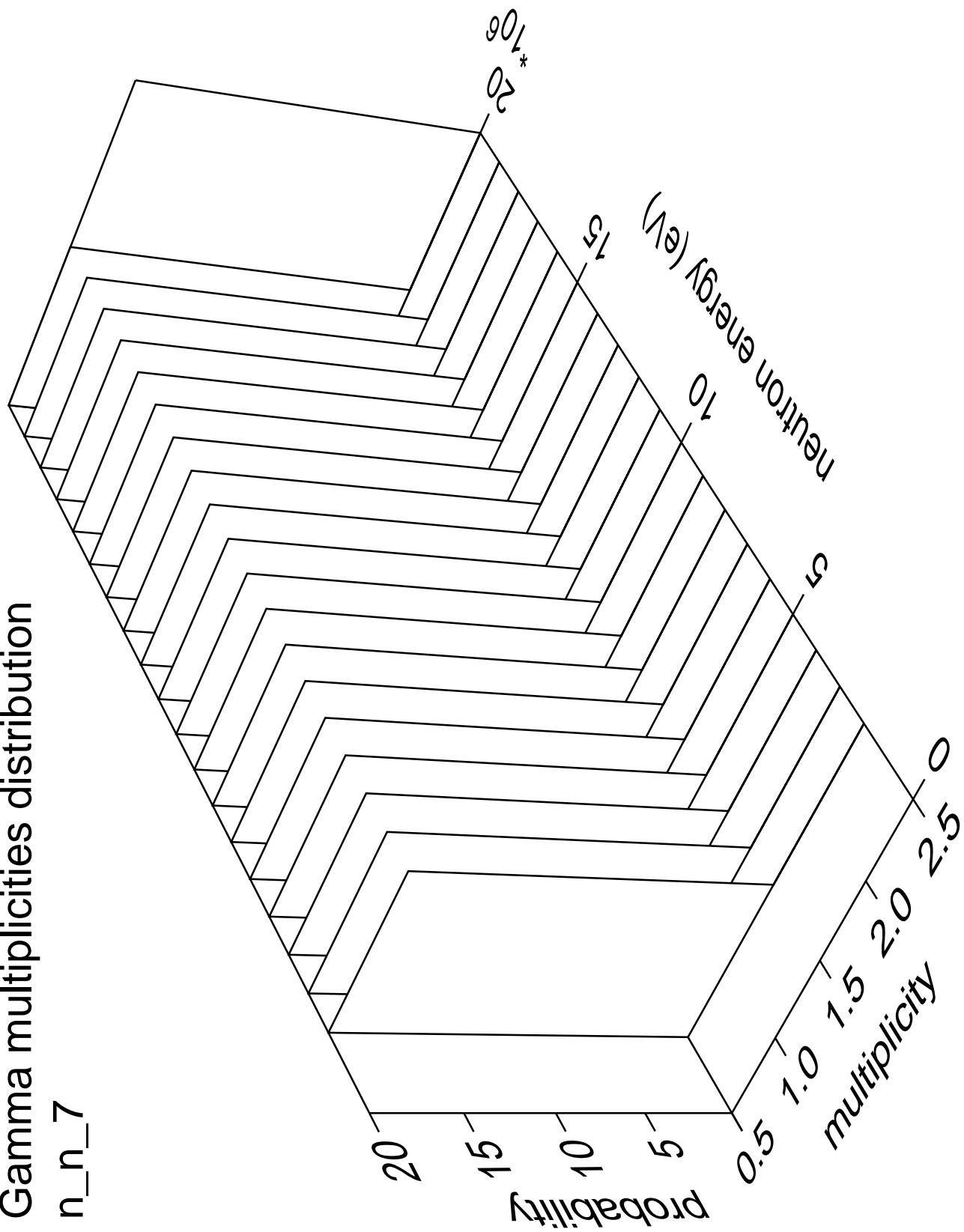
# Gamma energy distribution



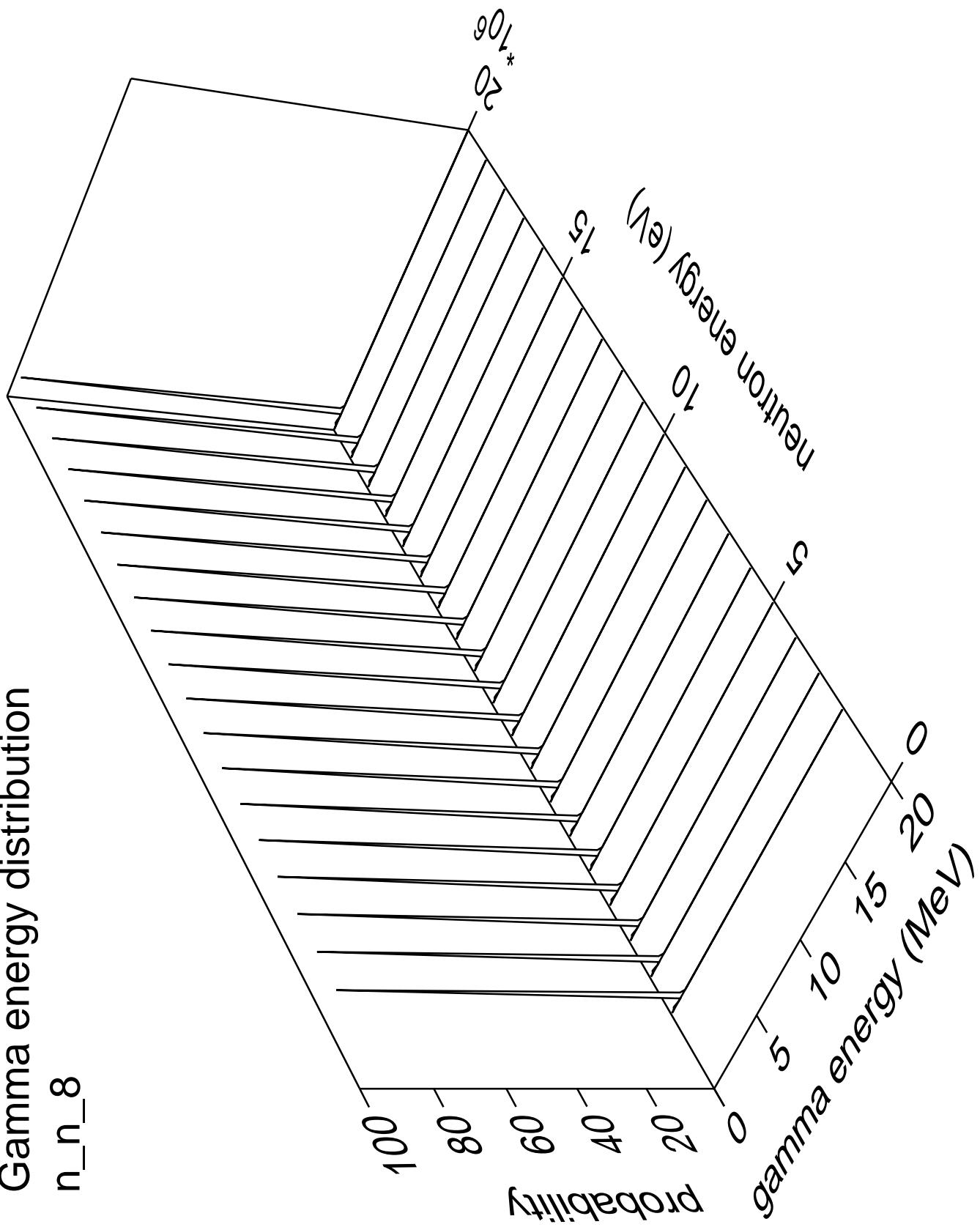
# Gamma angles distribution



# Gamma multiplicities distribution

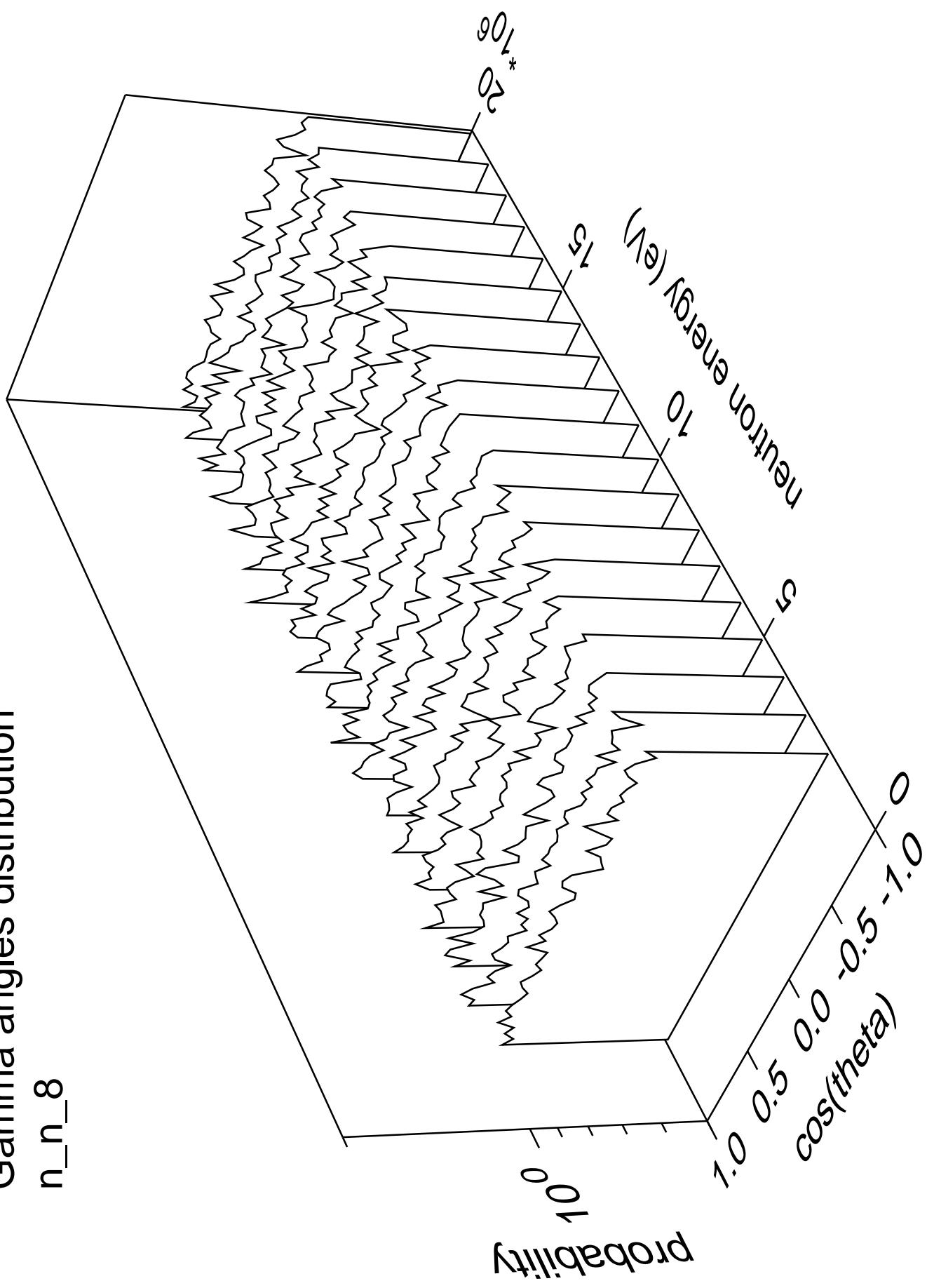


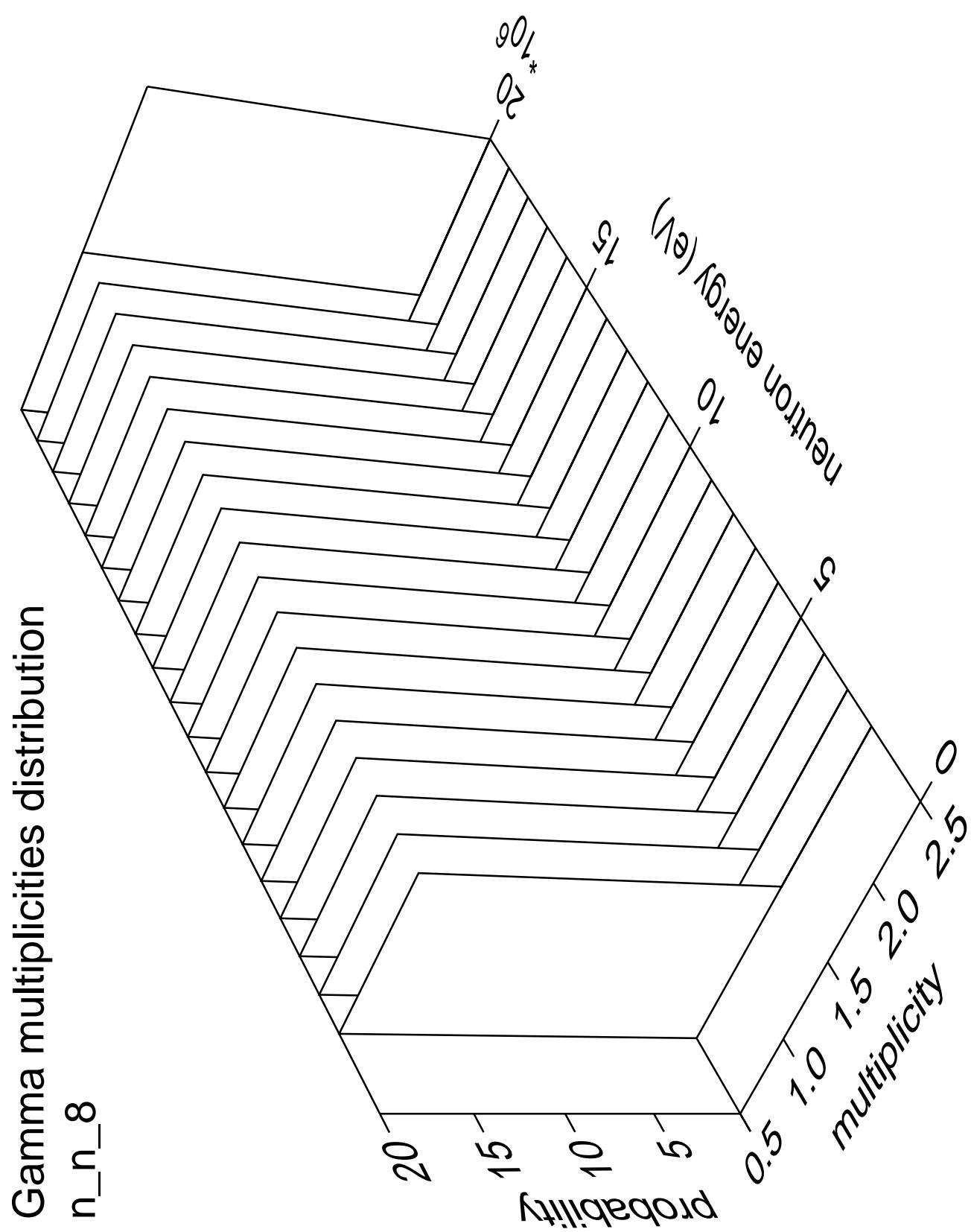
# Gamma energy distribution $n_n_8$

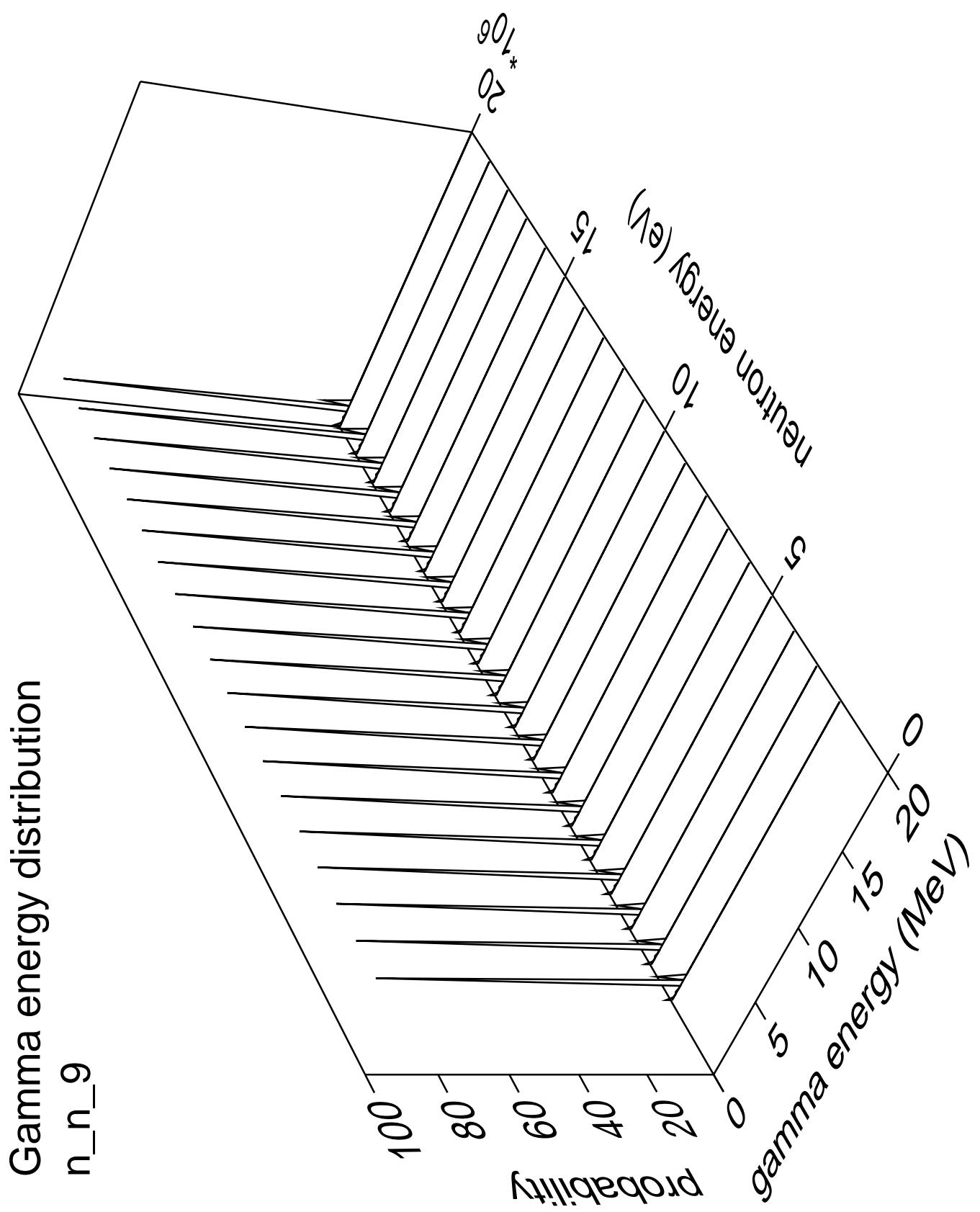


Gamma angles distribution

n\_n\_8

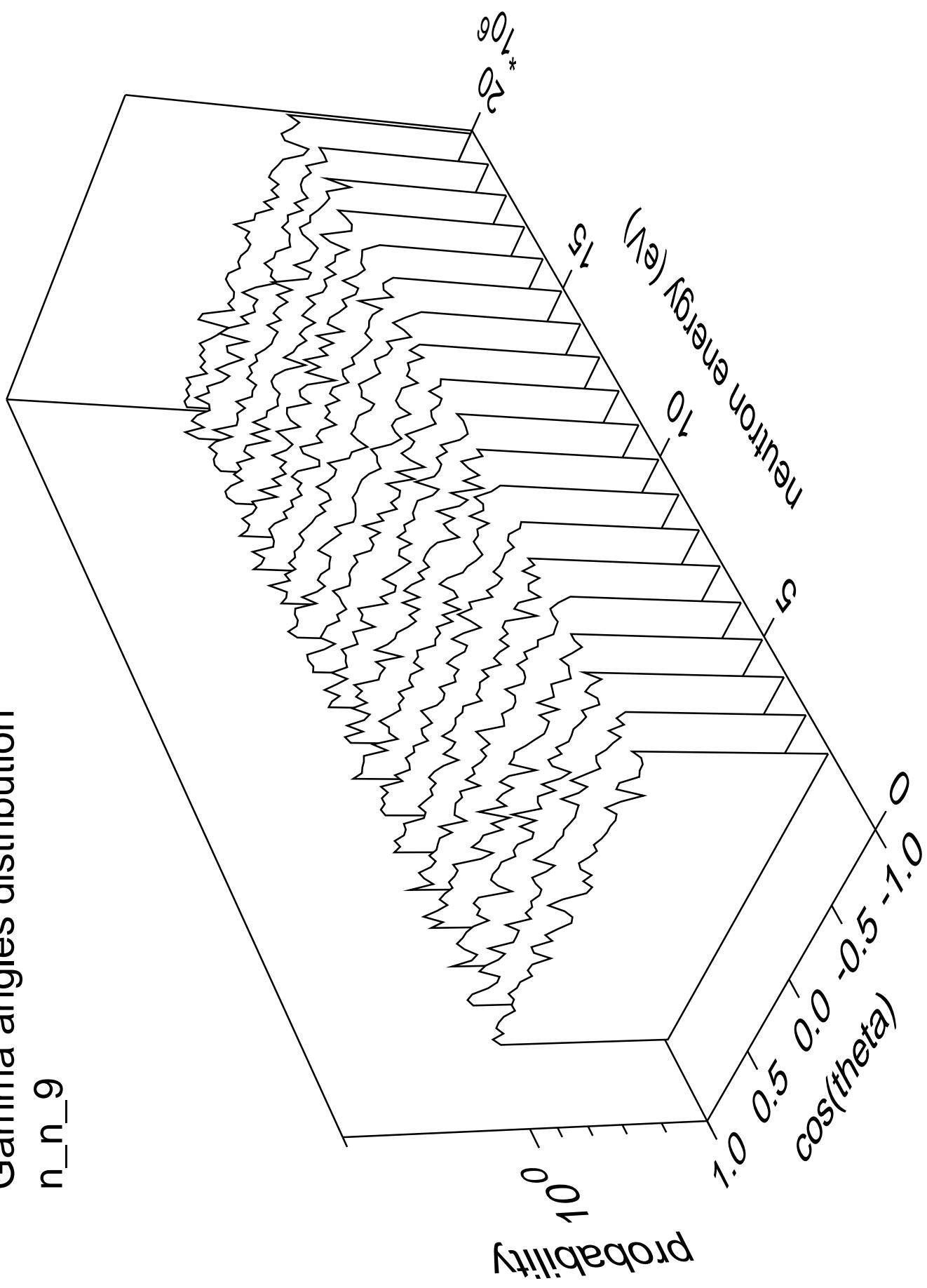


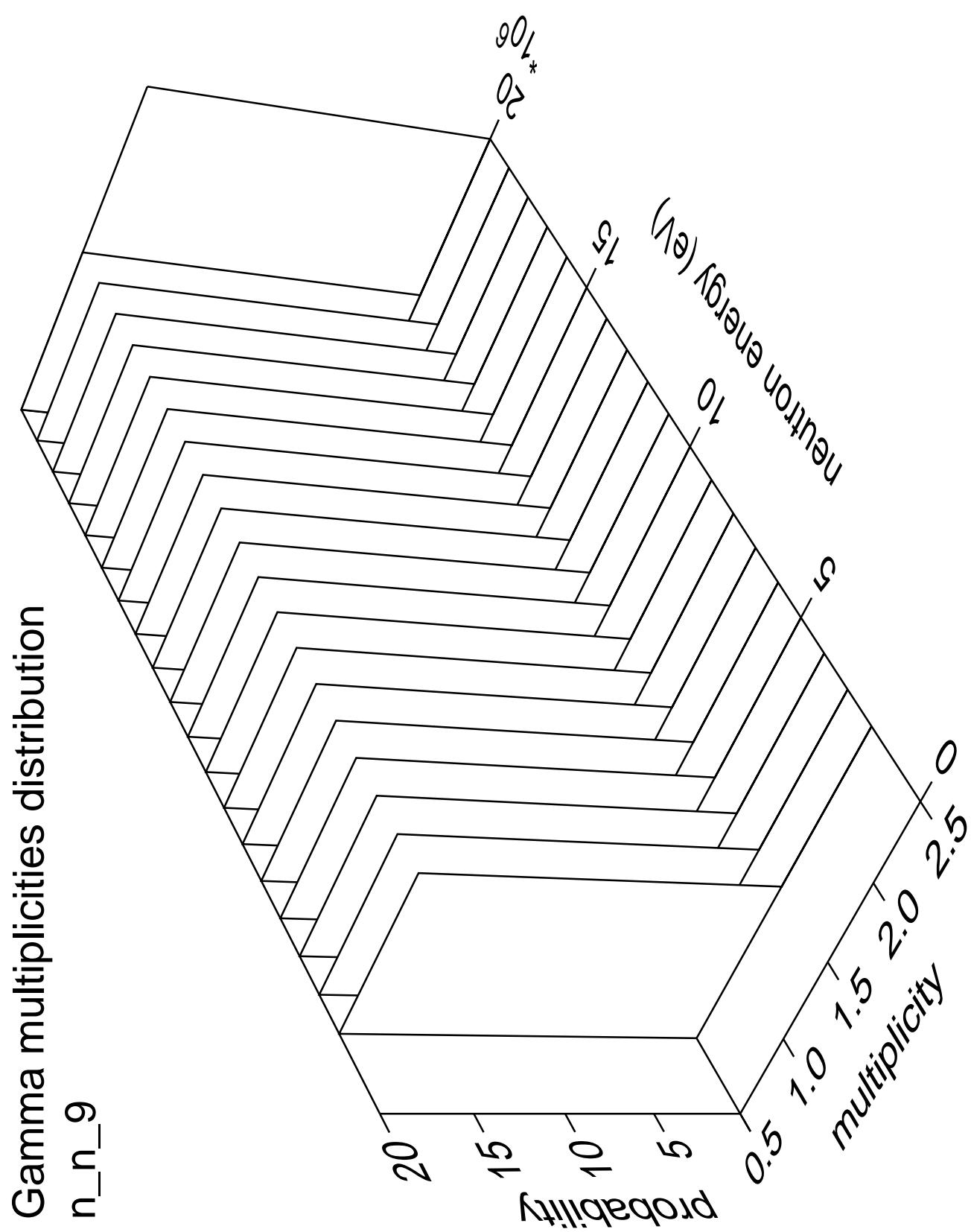


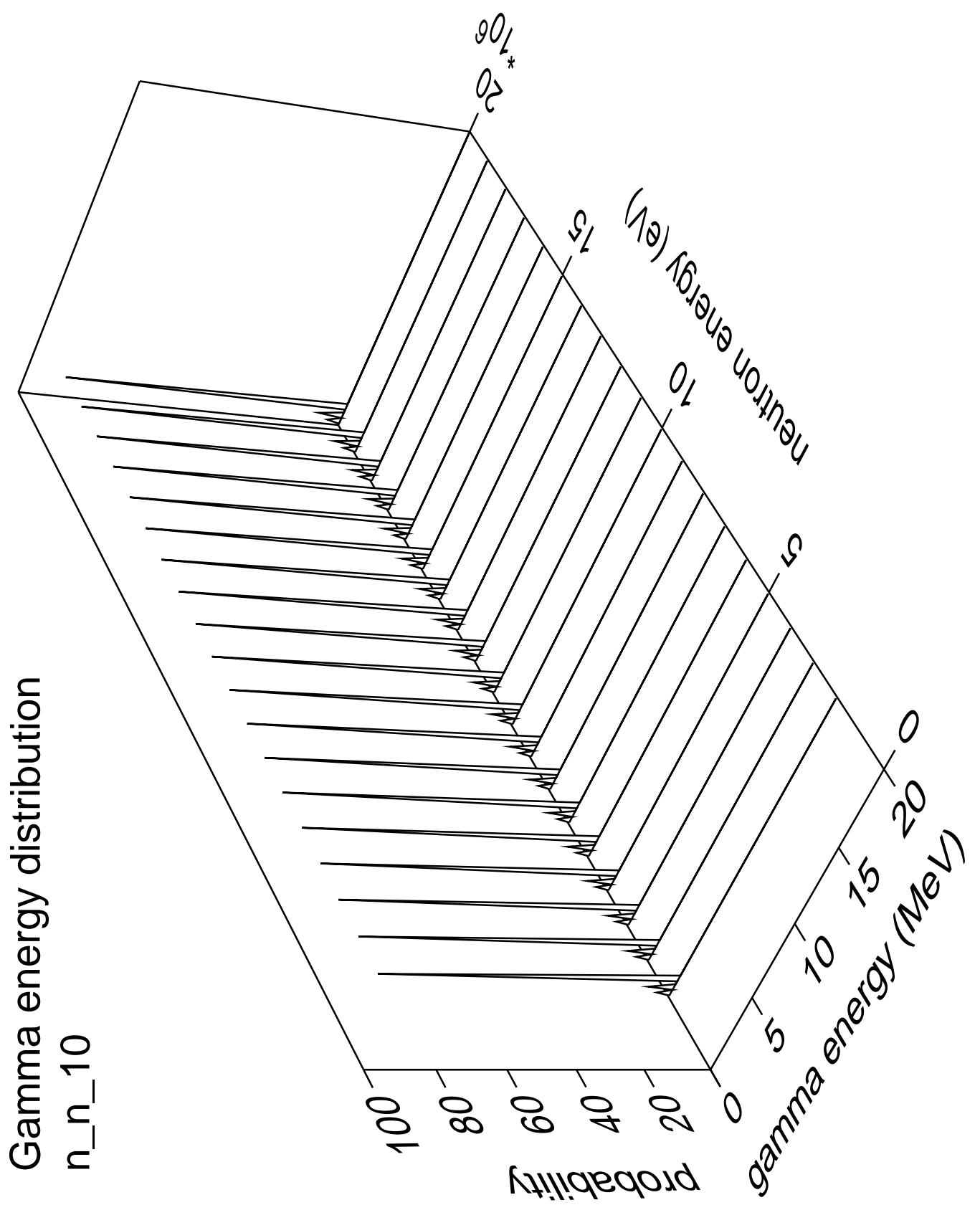


Gamma angles distribution

n\_n\_9

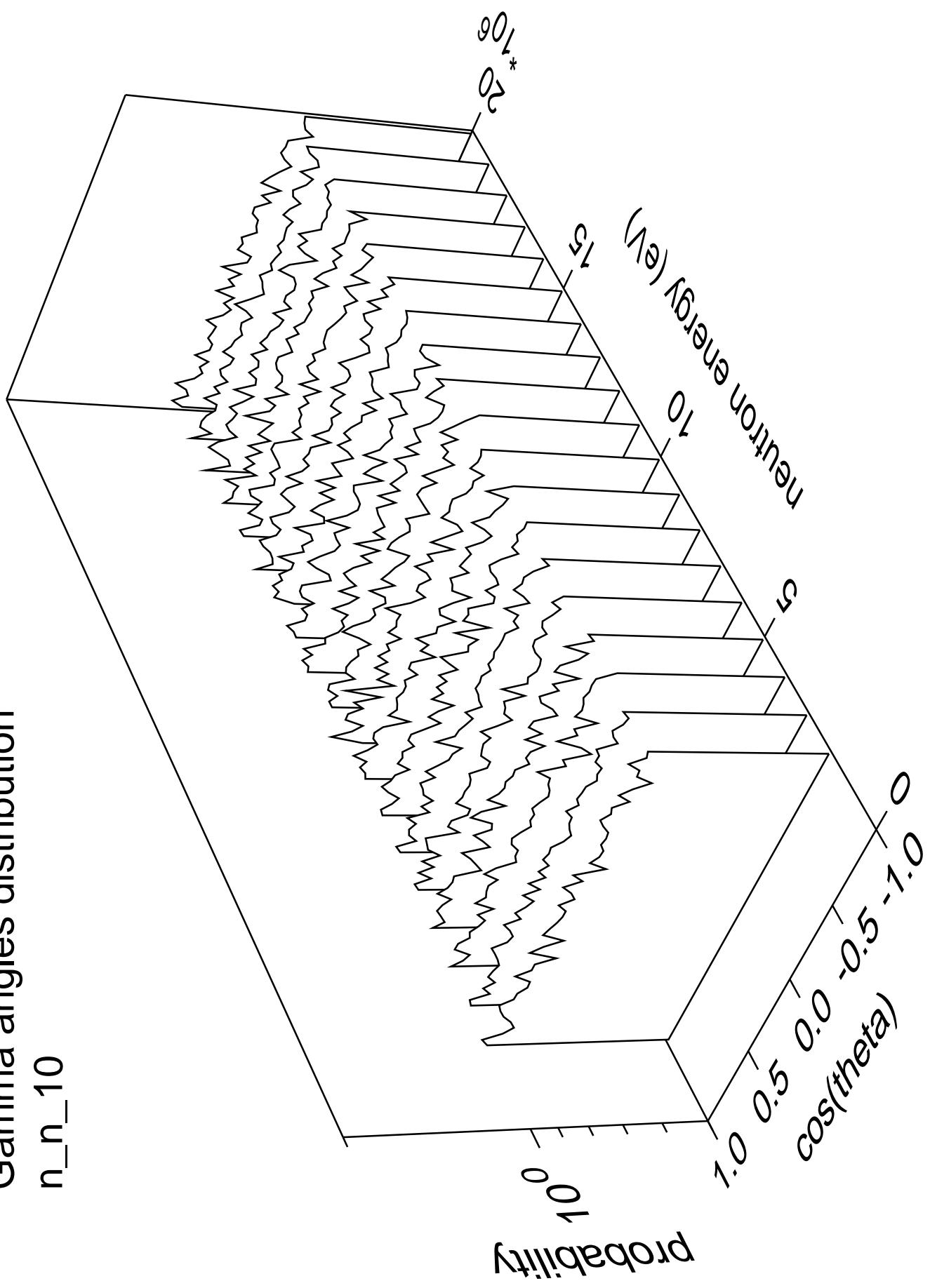


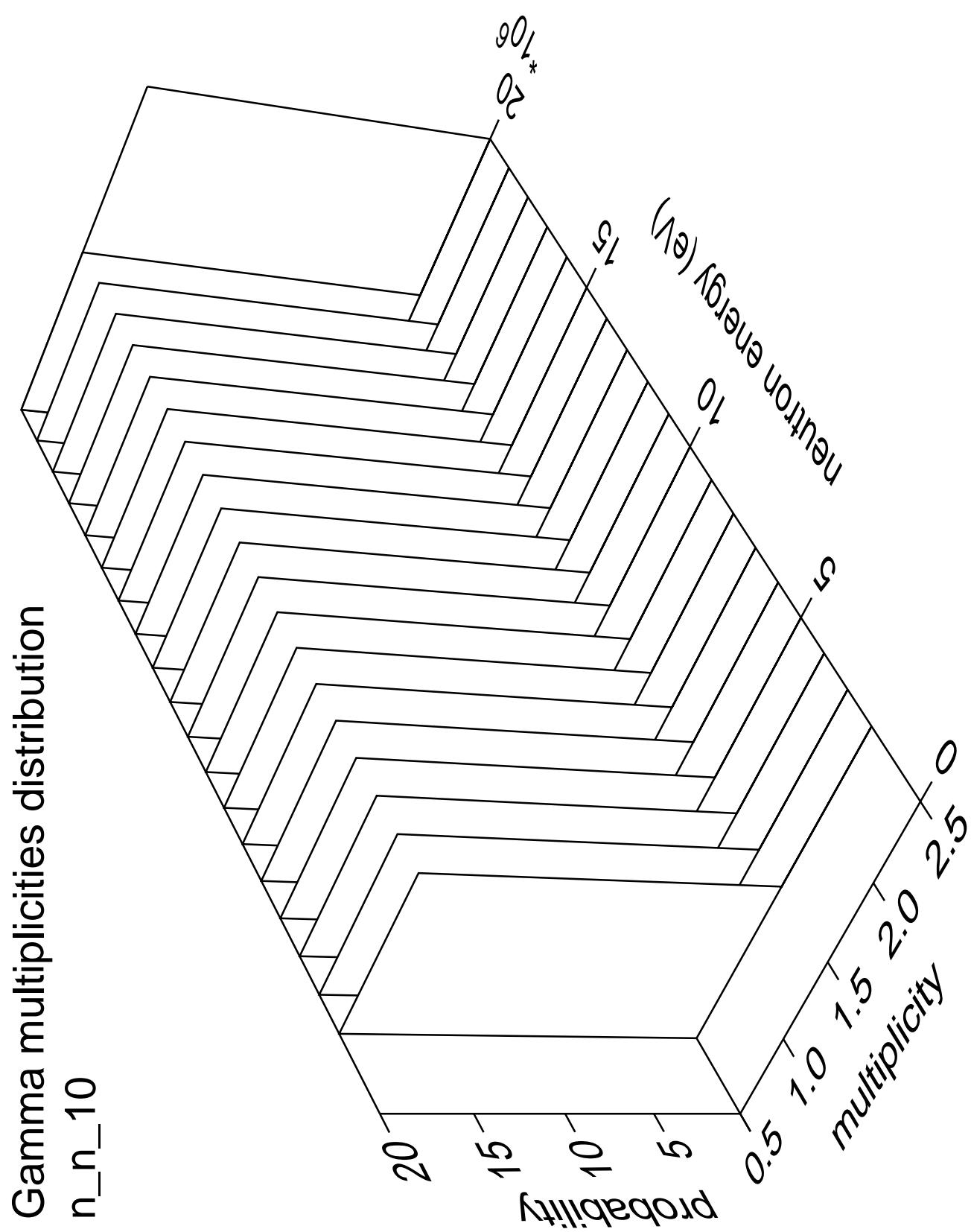




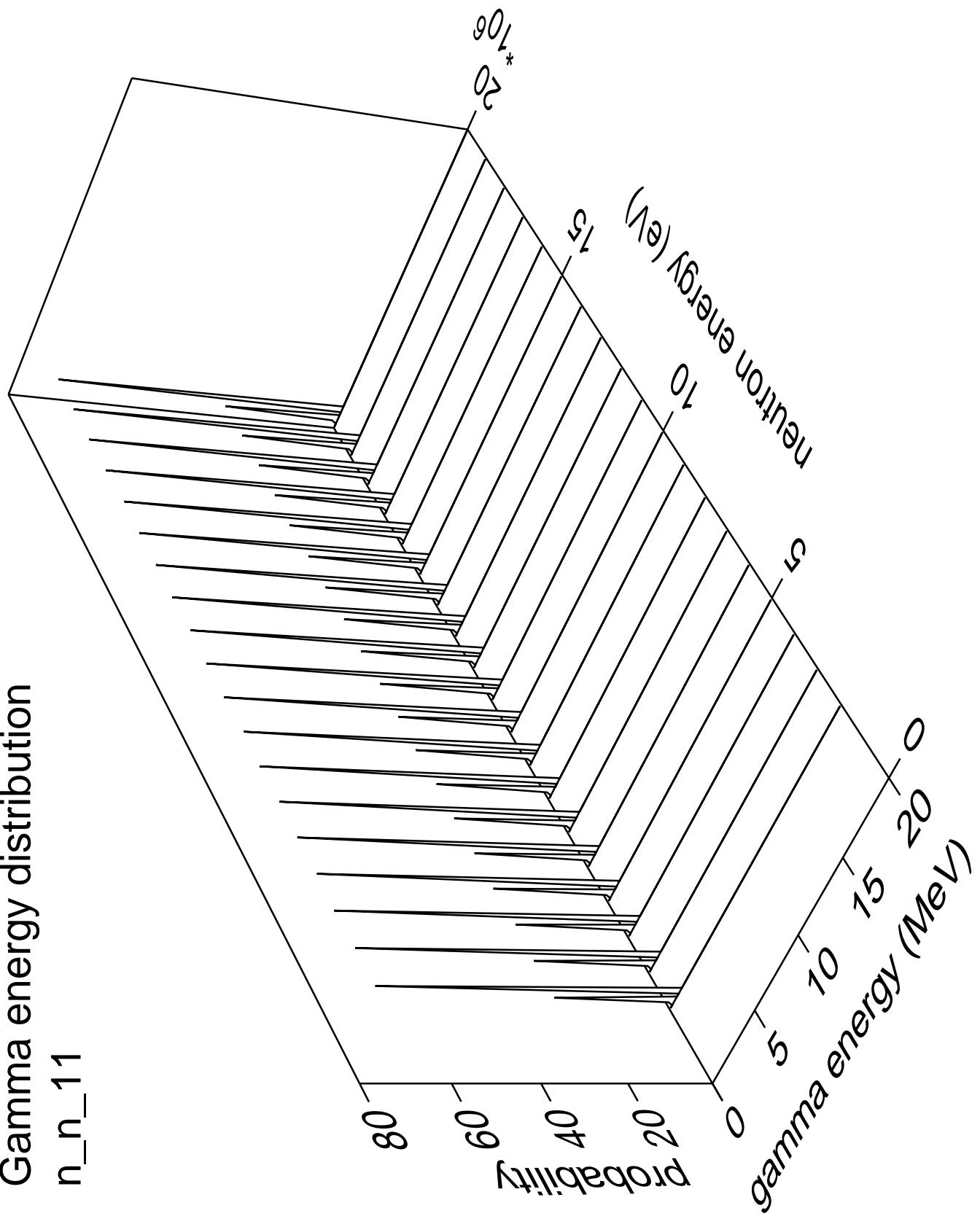
Gamma angles distribution

n\_n\_10

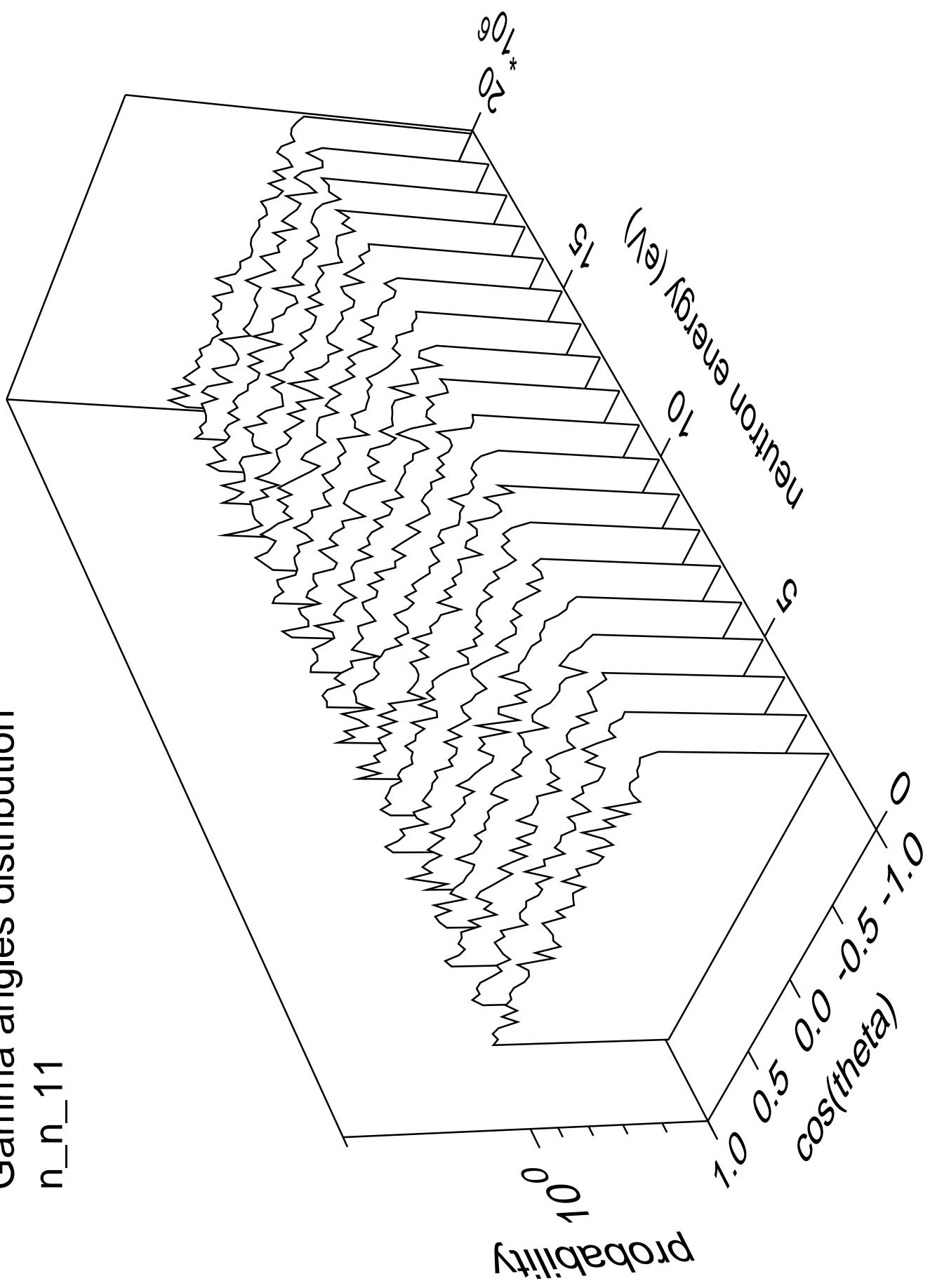




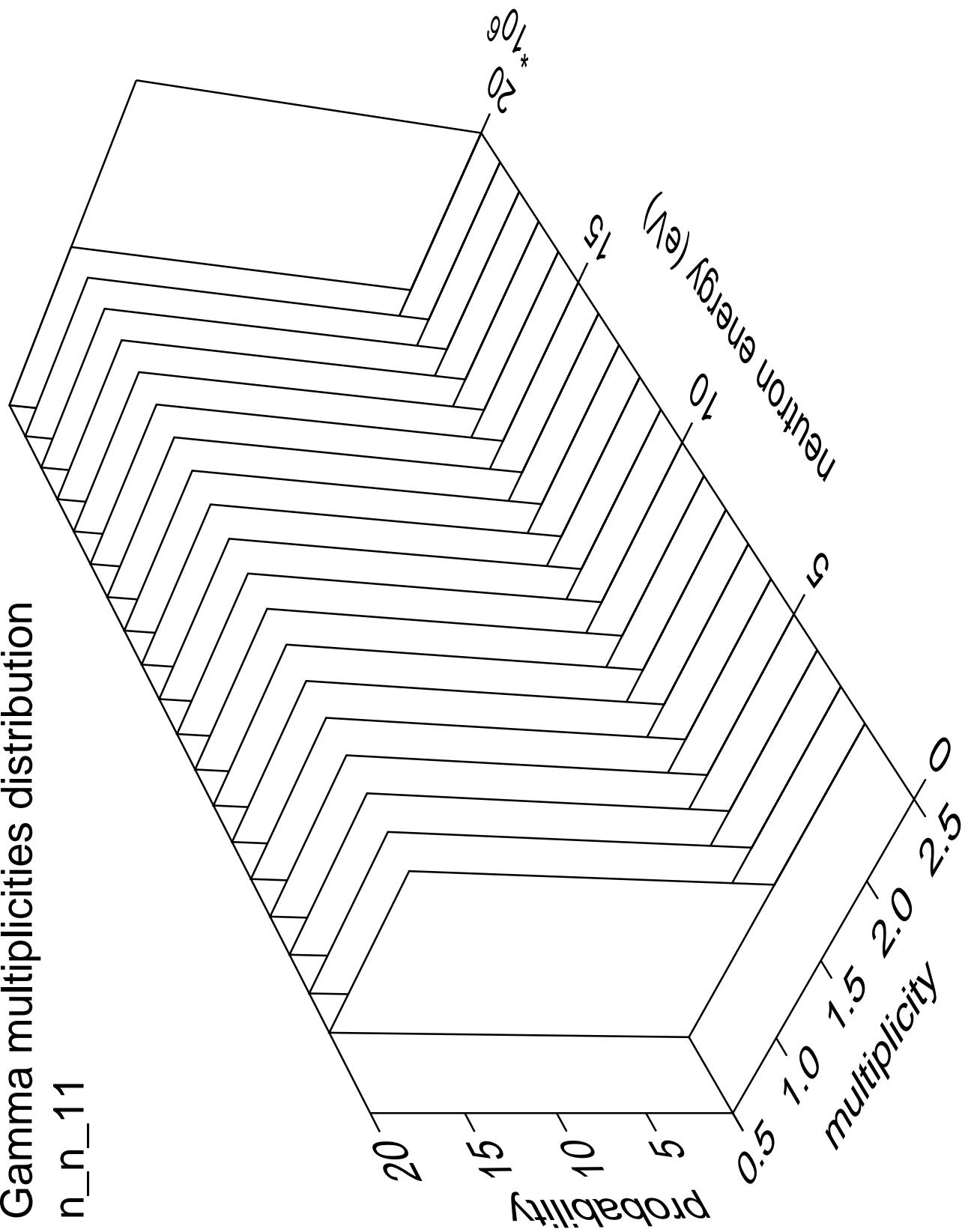
# Gamma energy distribution



# Gamma angles distribution

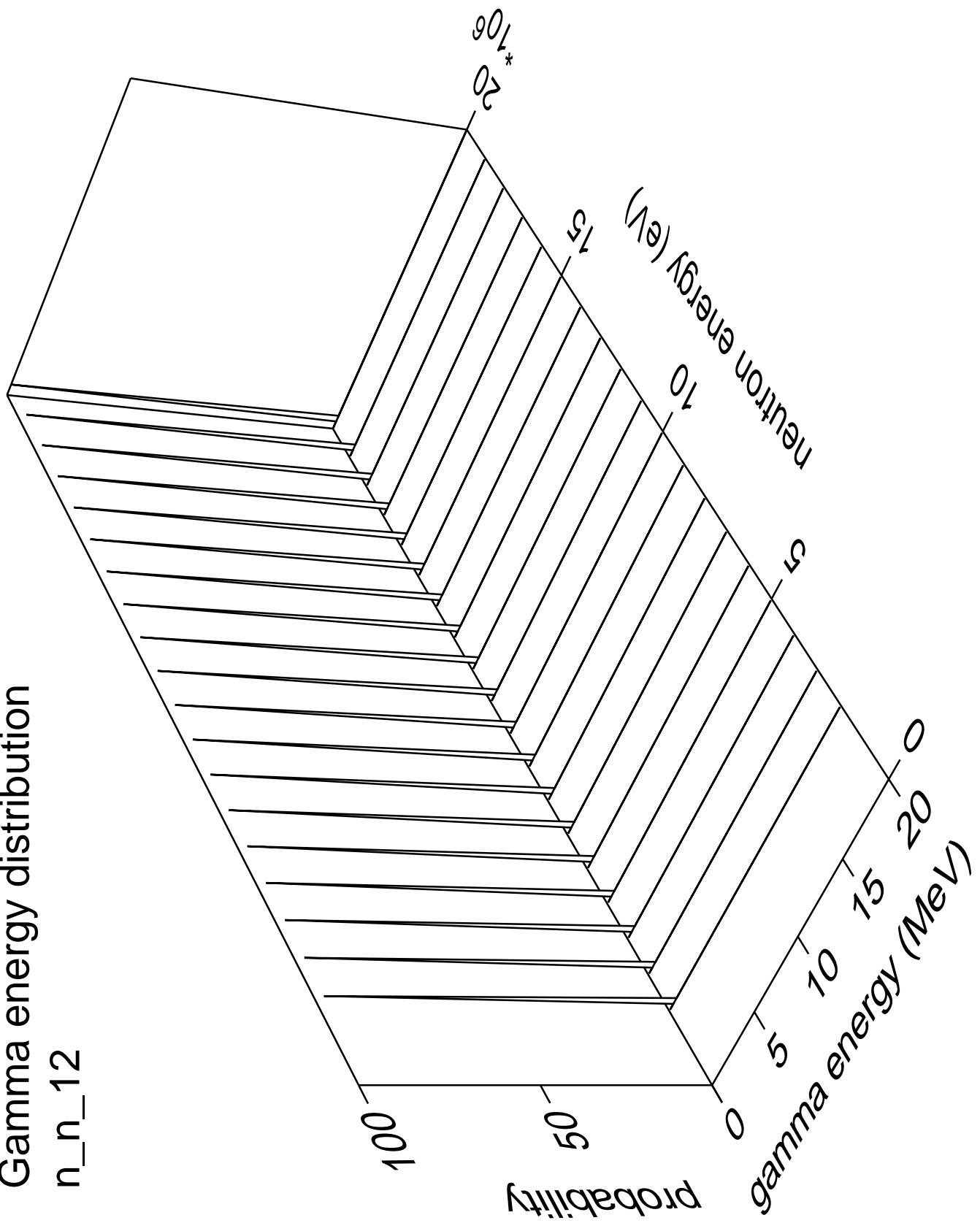


# Gamma multiplicities distribution



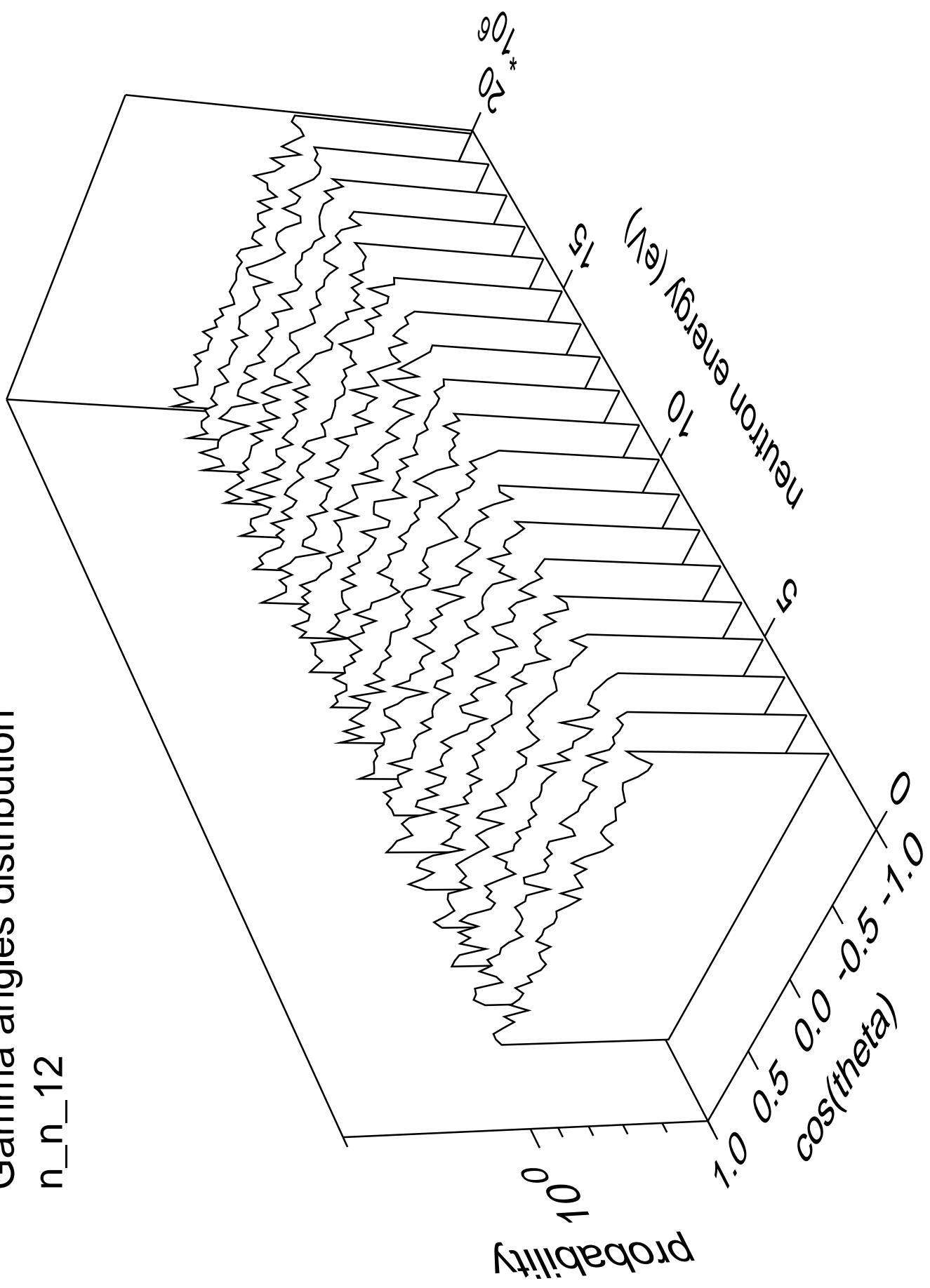
Gamma energy distribution

n\_n\_12

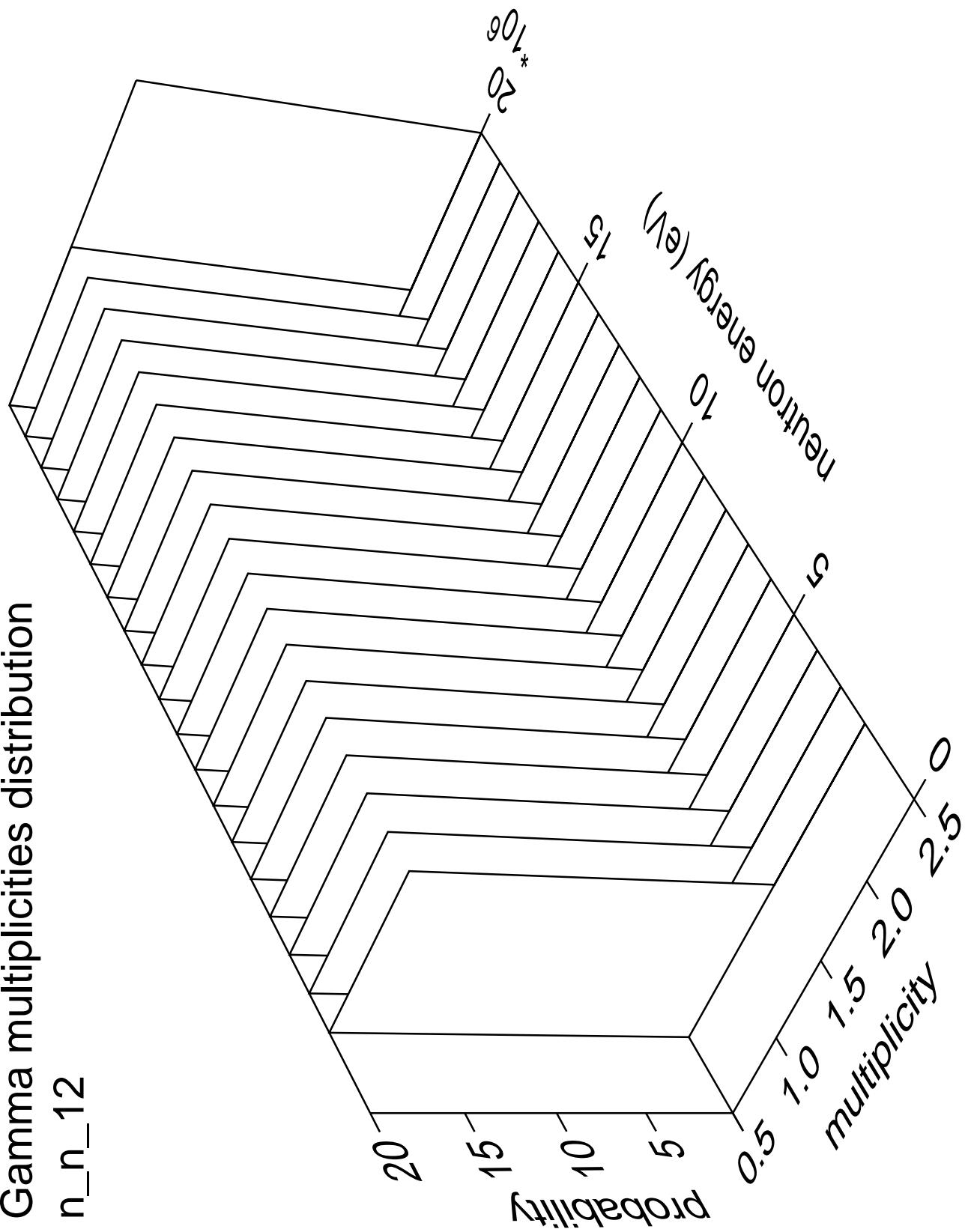


Gamma angles distribution

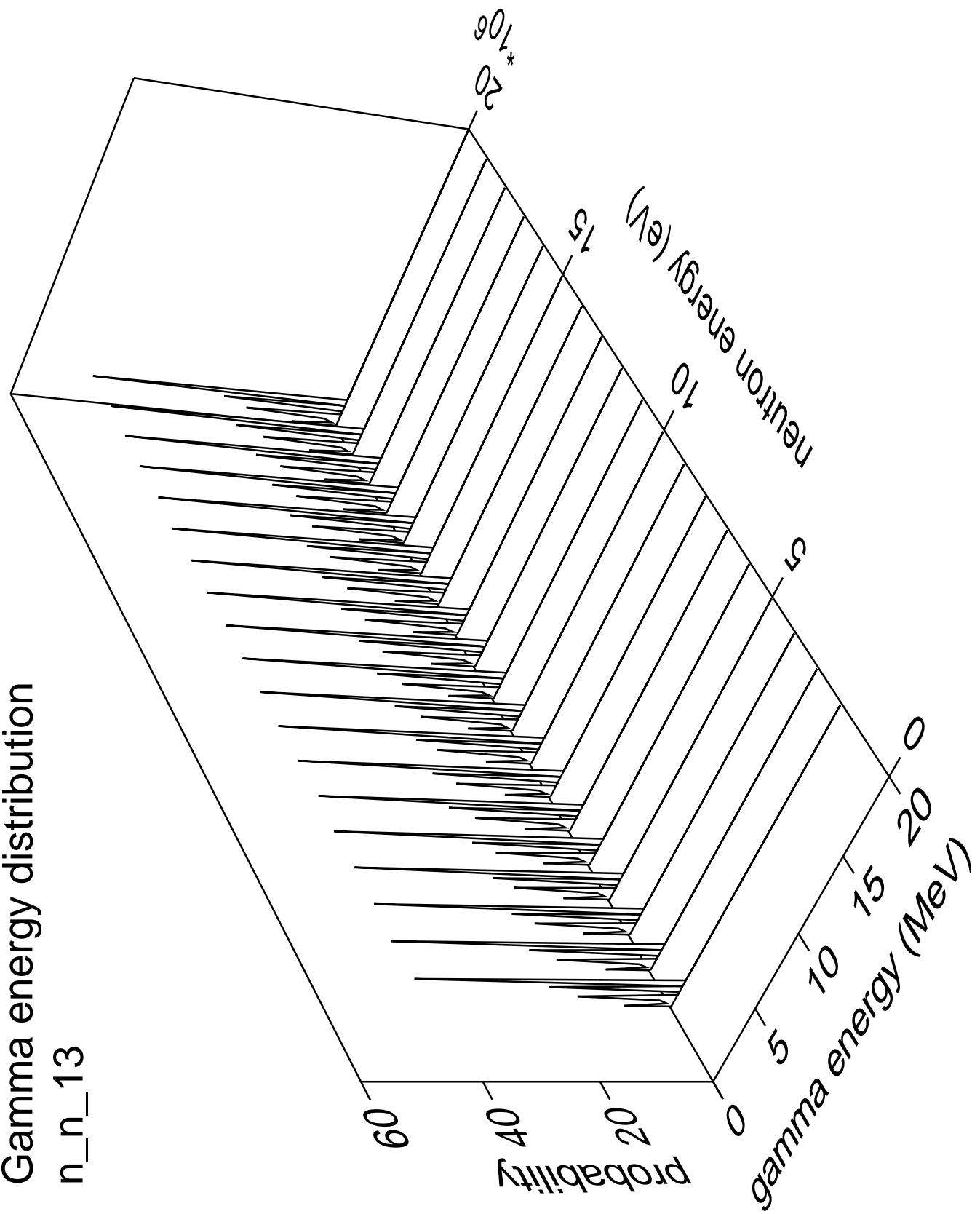
n\_n\_12



# Gamma multiplicities distribution

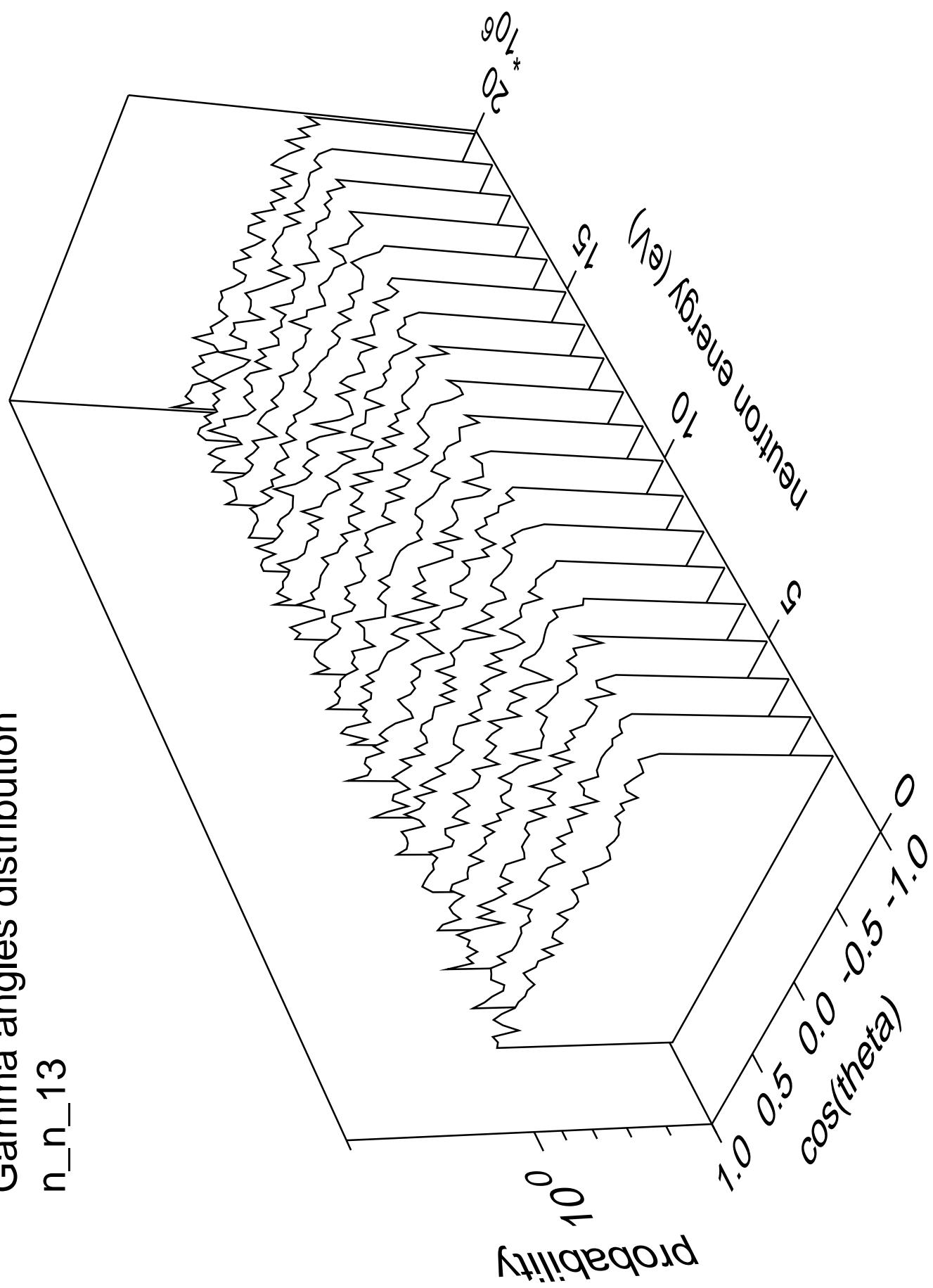


# Gamma energy distribution

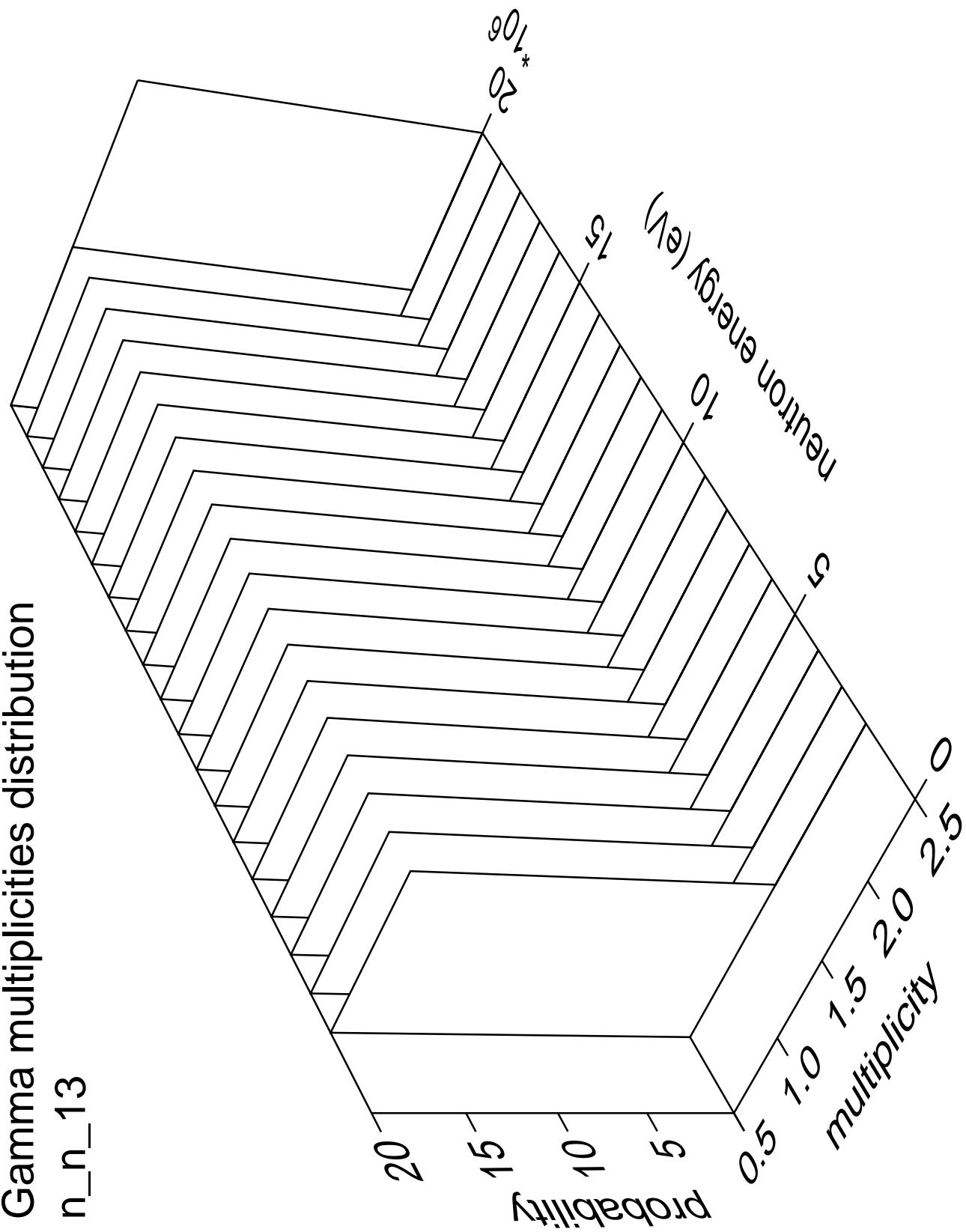


# Gamma angles distribution

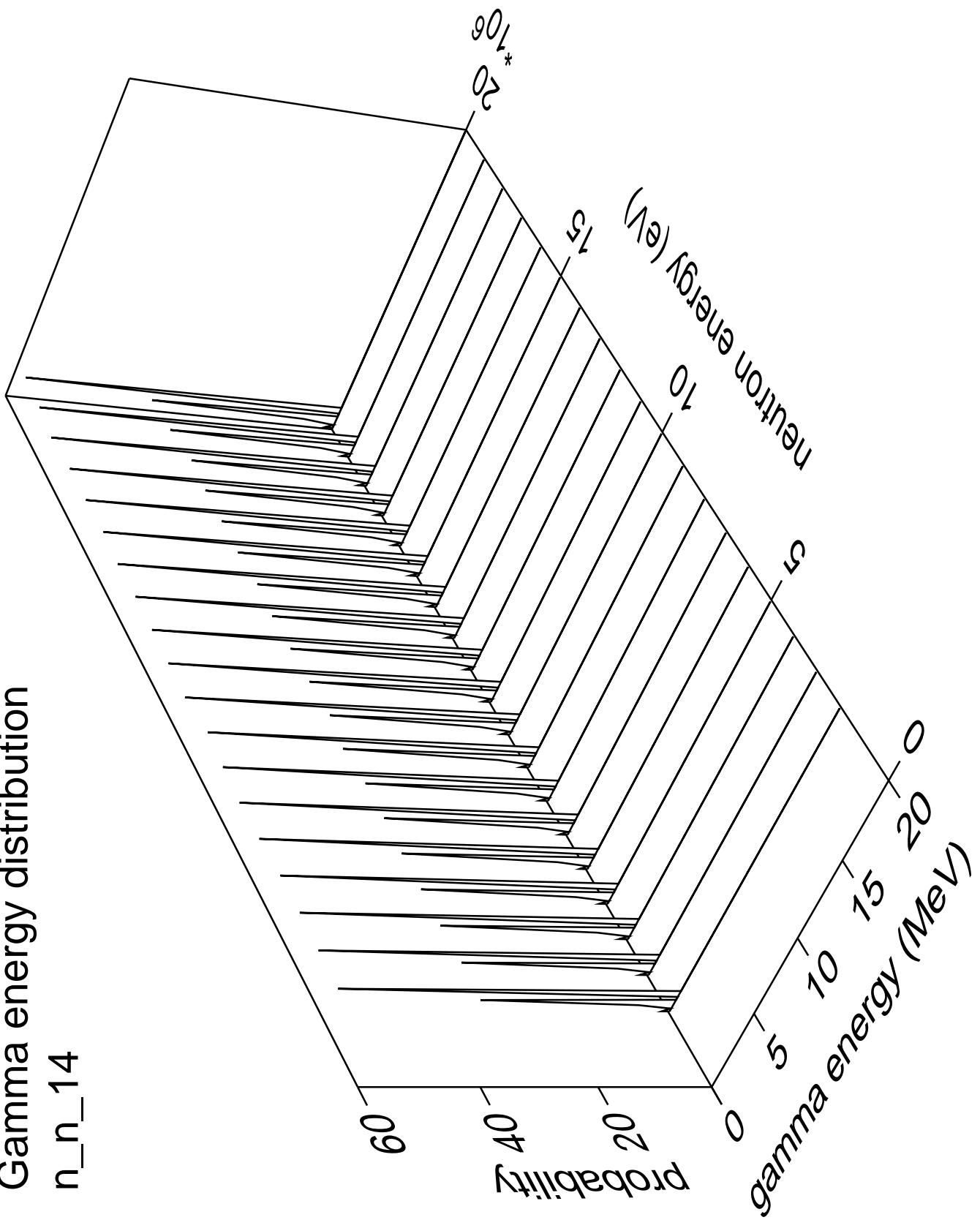
n\_n\_13



# Gamma multiplicities distribution

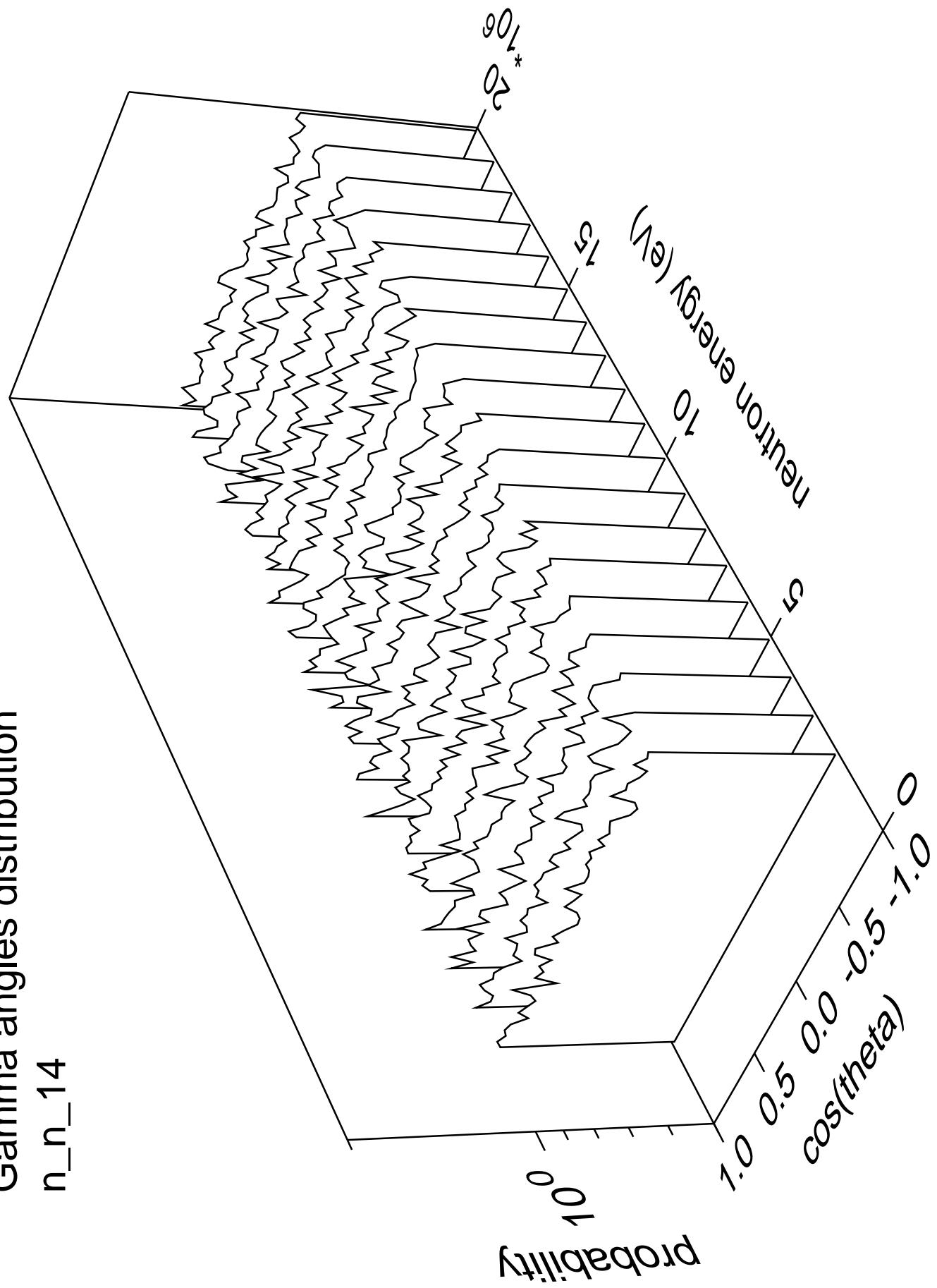


# Gamma energy distribution n\_n\_14

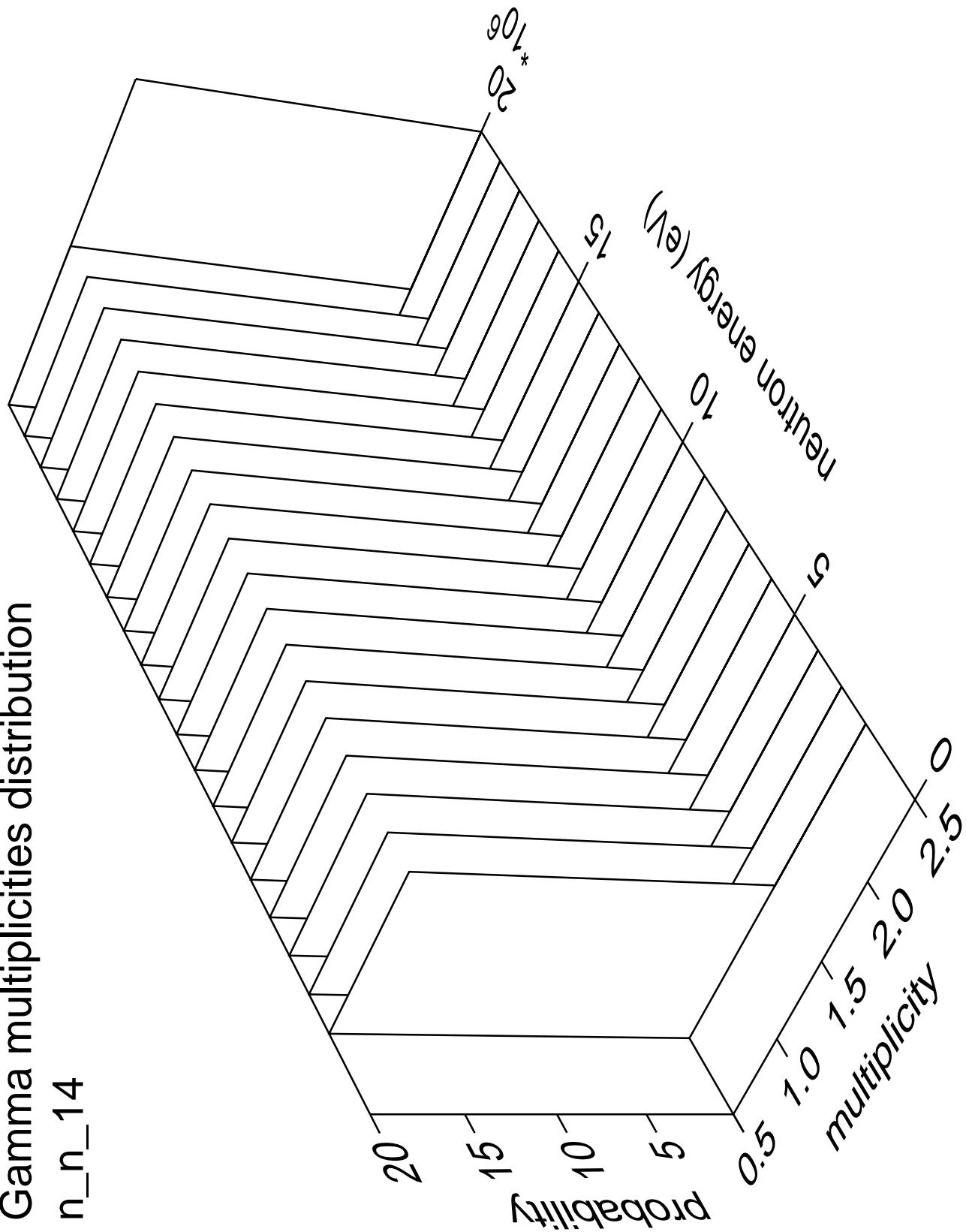


# Gamma angles distribution

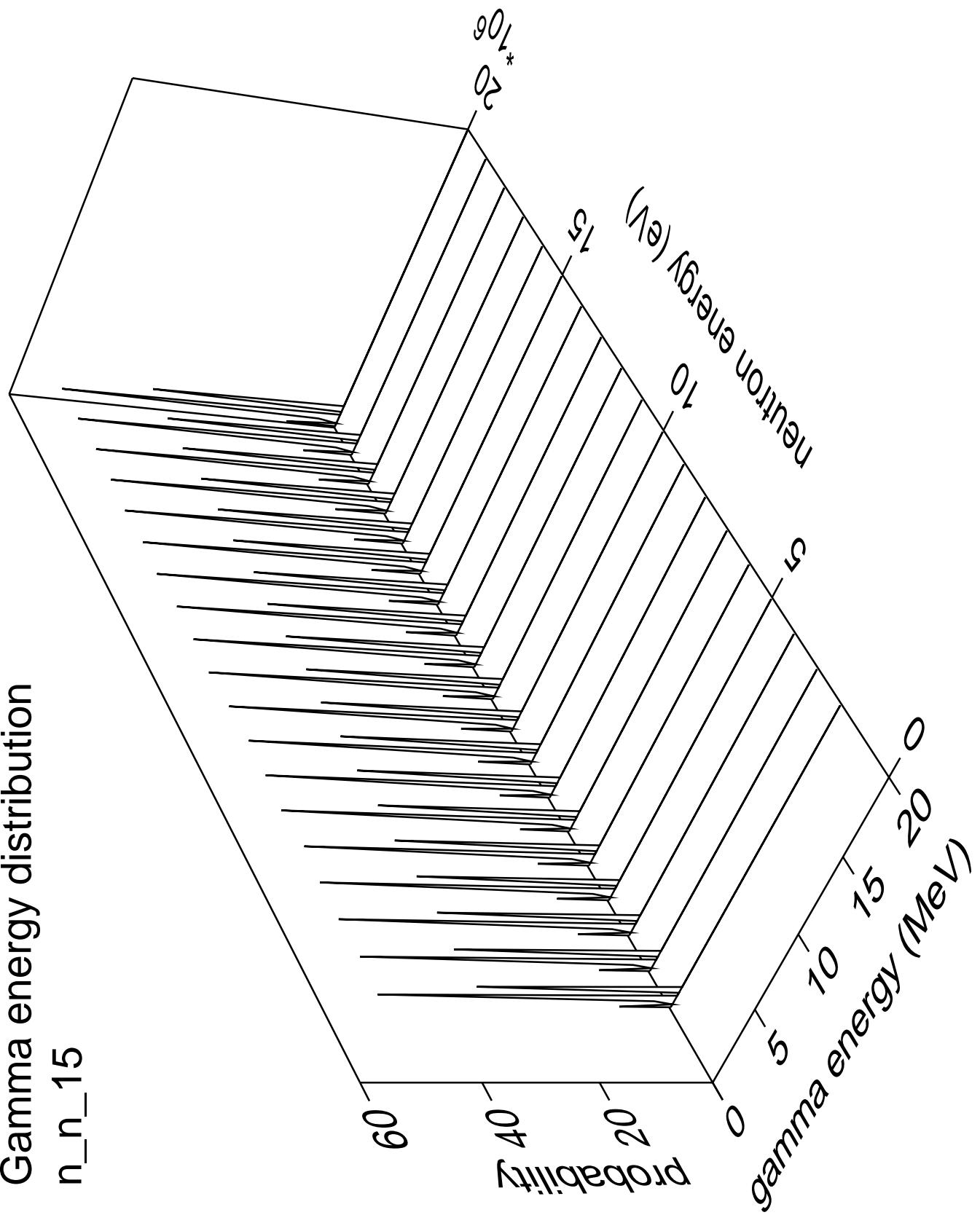
n\_n\_14



# Gamma multiplicities distribution n\_n\_14

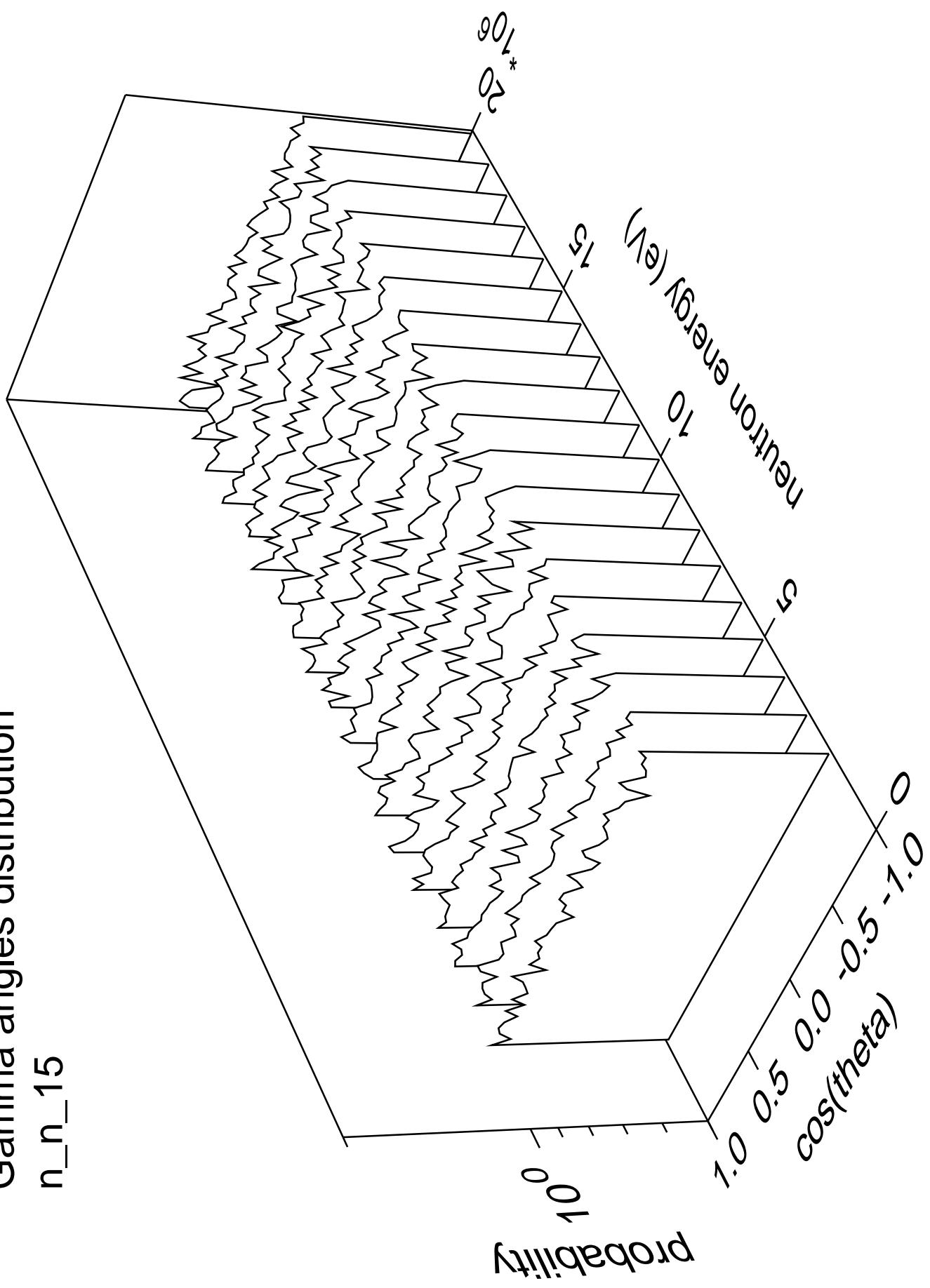


# Gamma energy distribution

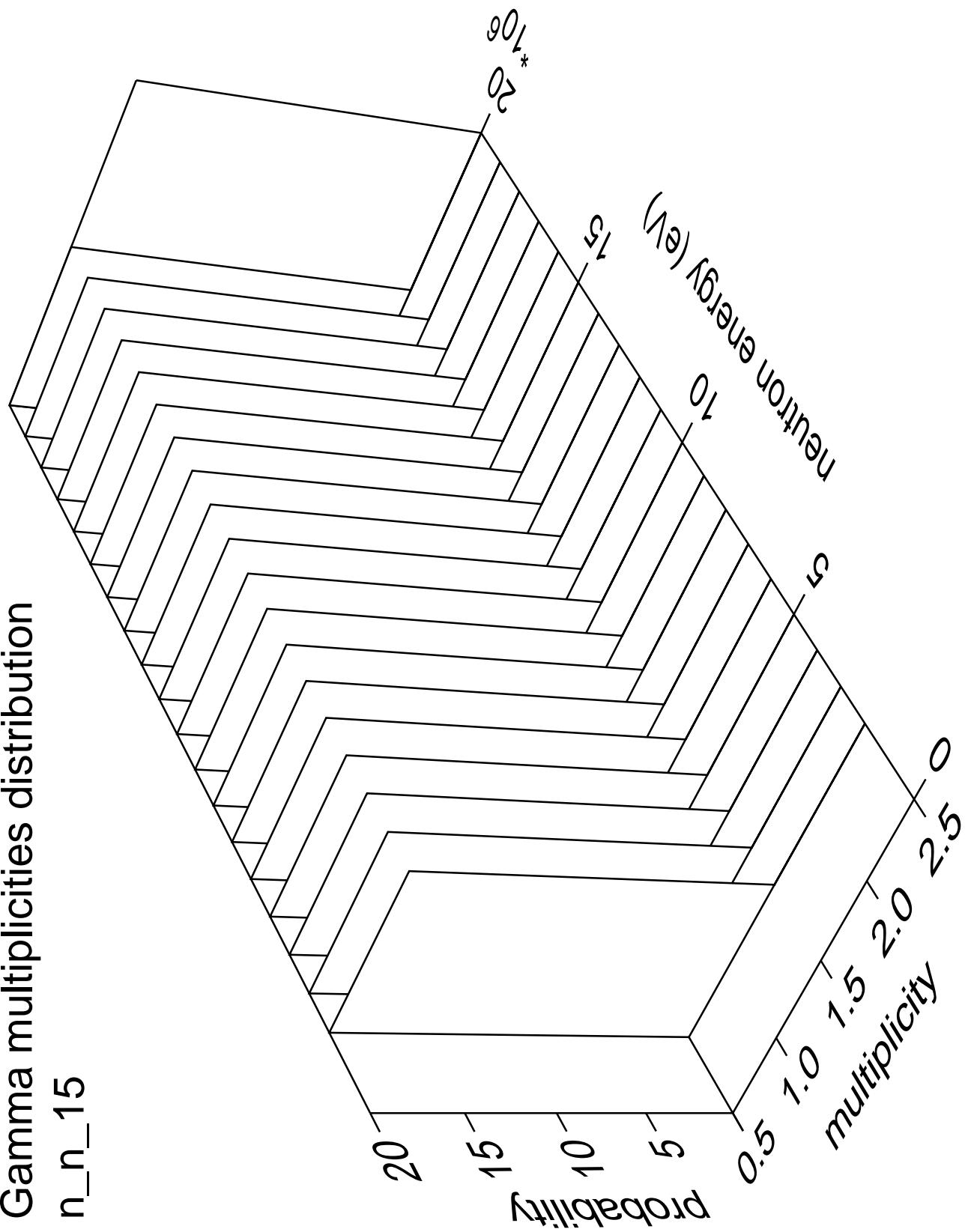


Gamma angles distribution

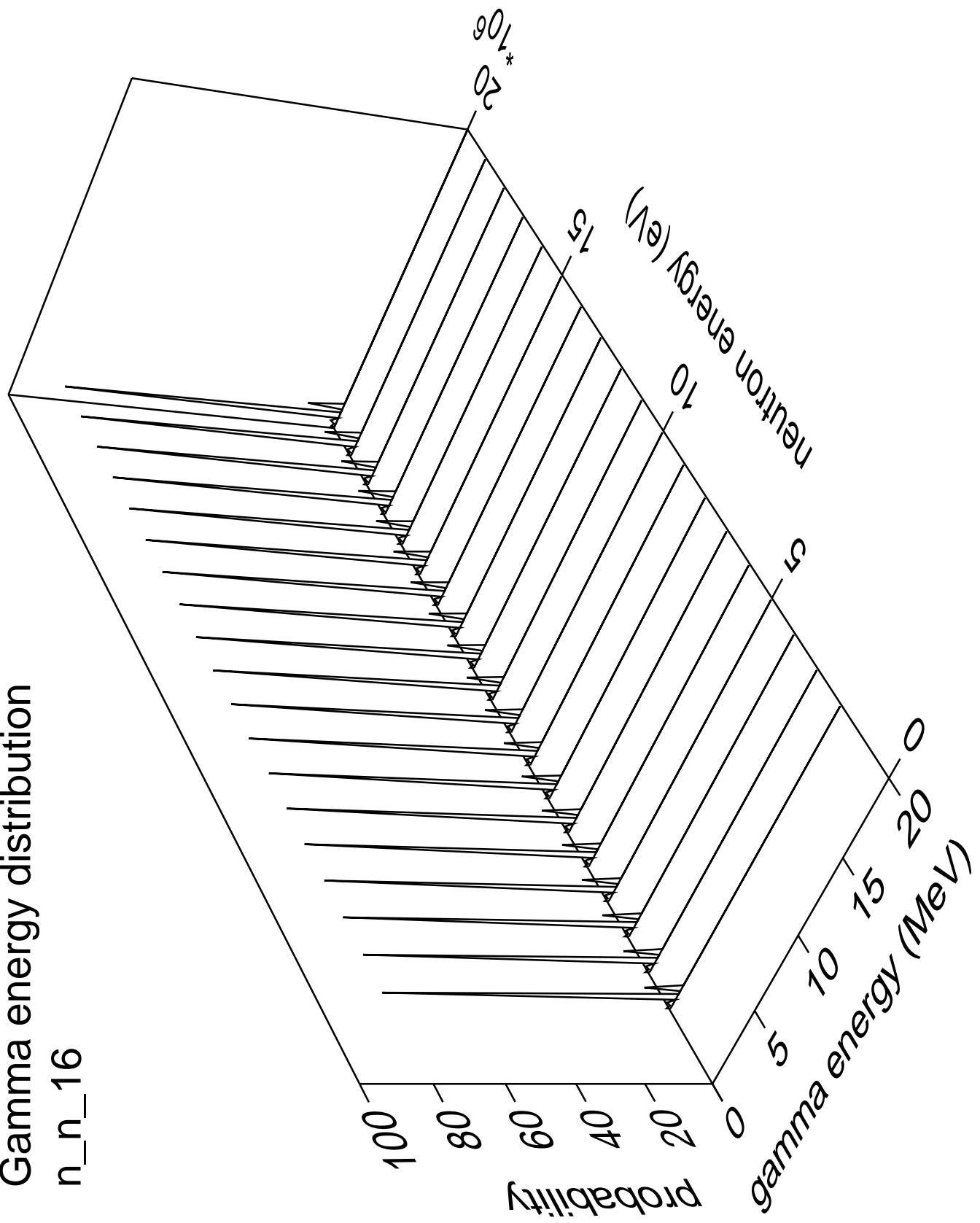
n\_n\_15



# Gamma multiplicities distribution

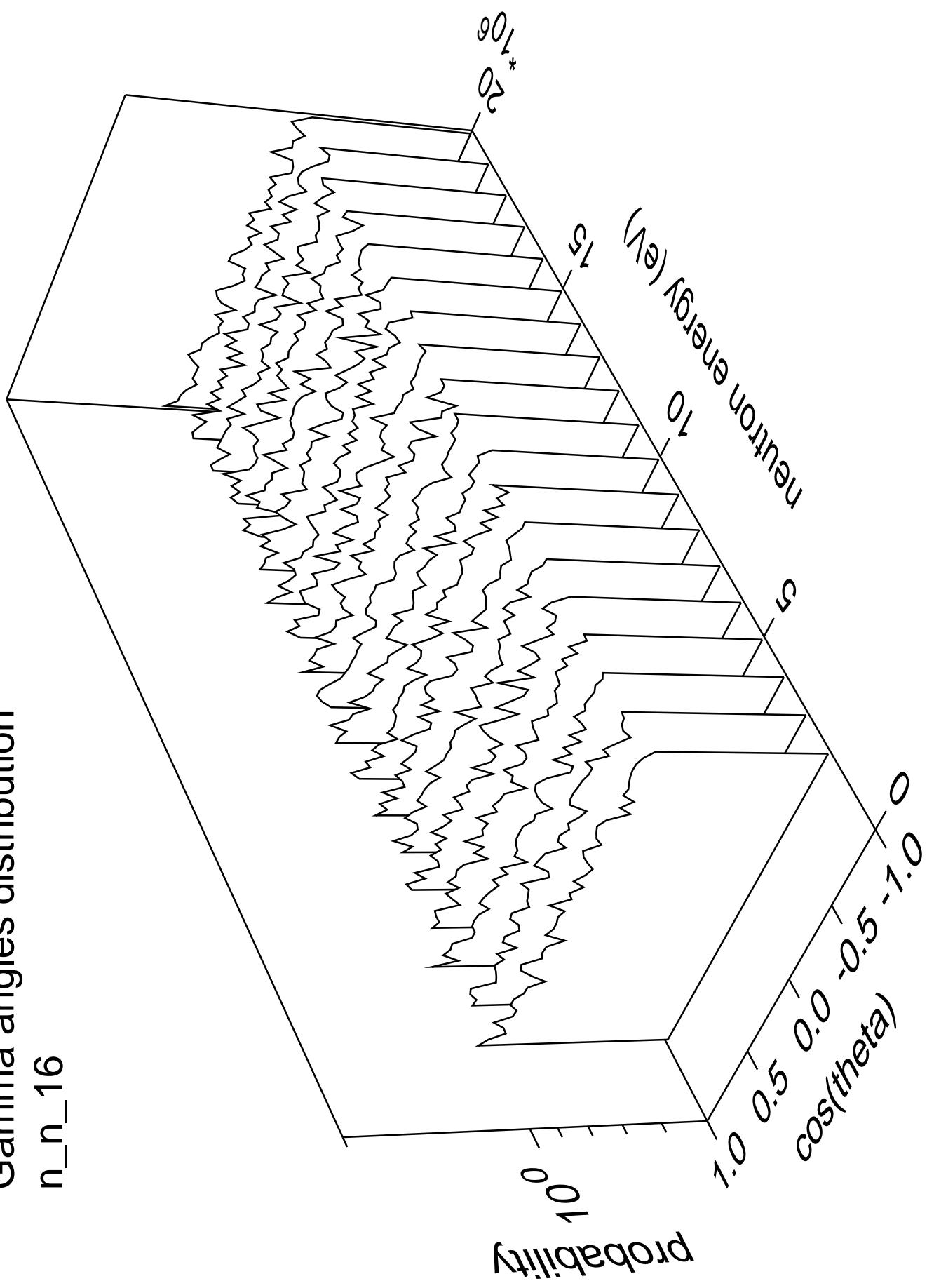


Gamma energy distribution  
n\_n\_16

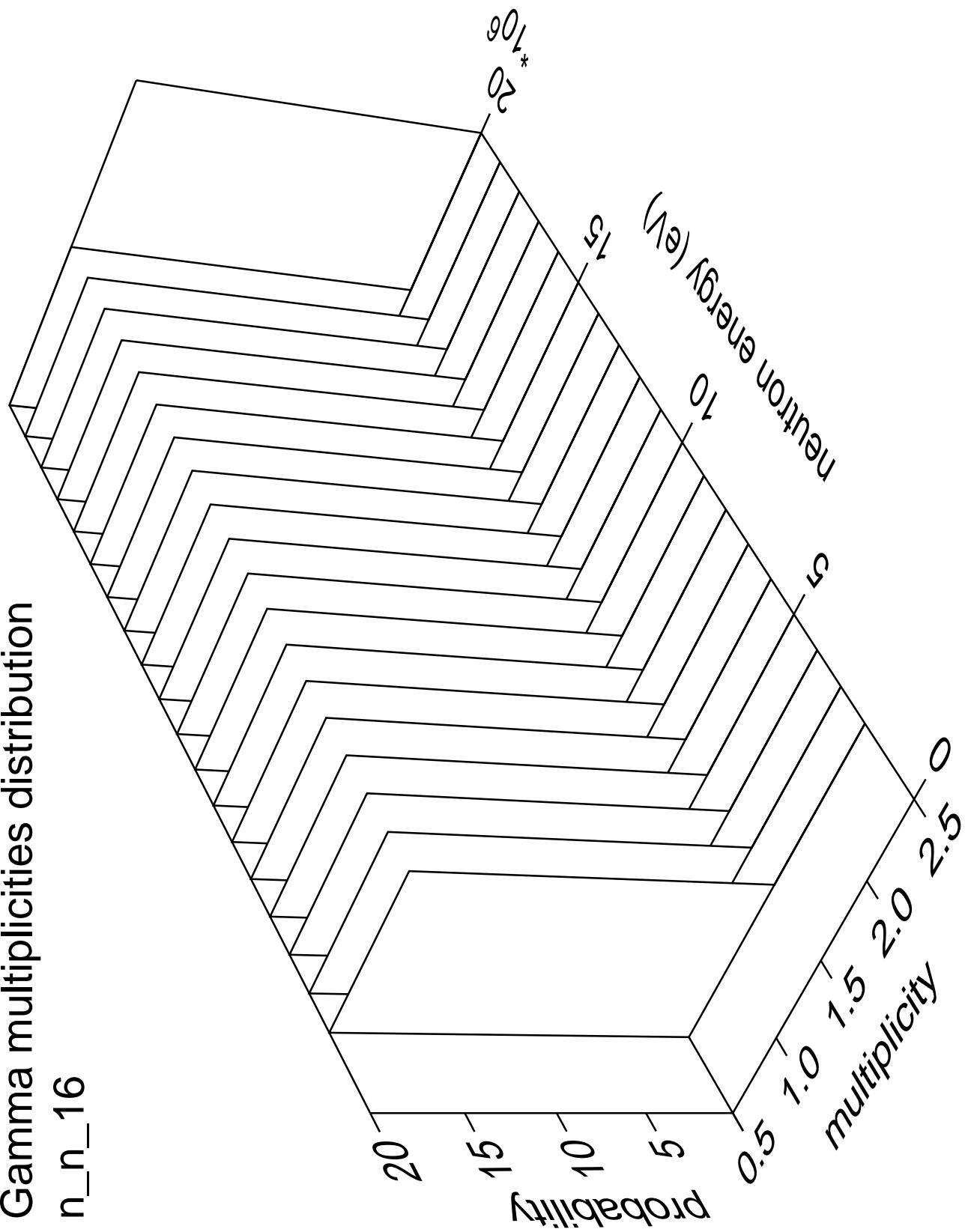


Gamma angles distribution

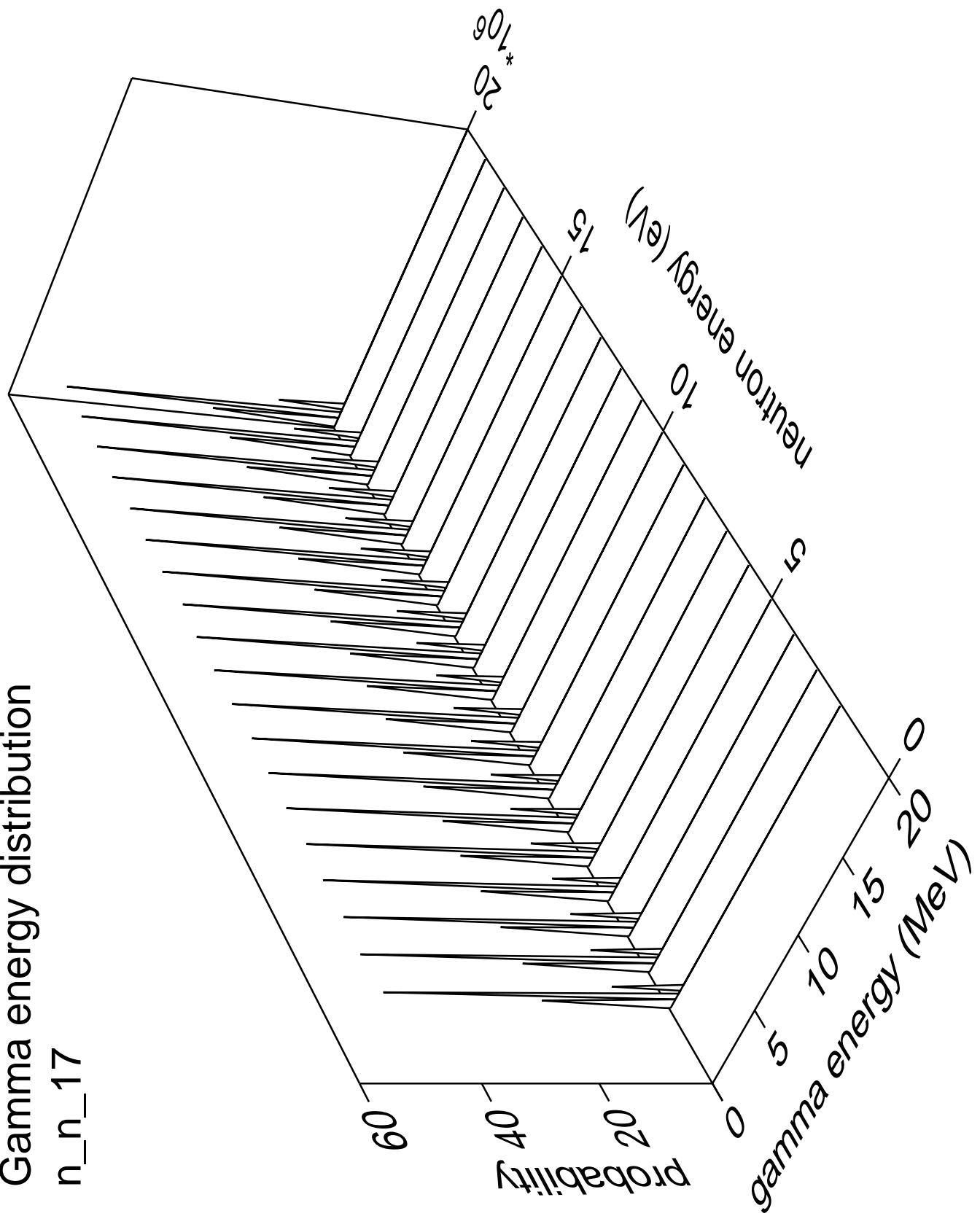
n\_n\_16



# Gamma multiplicities distribution

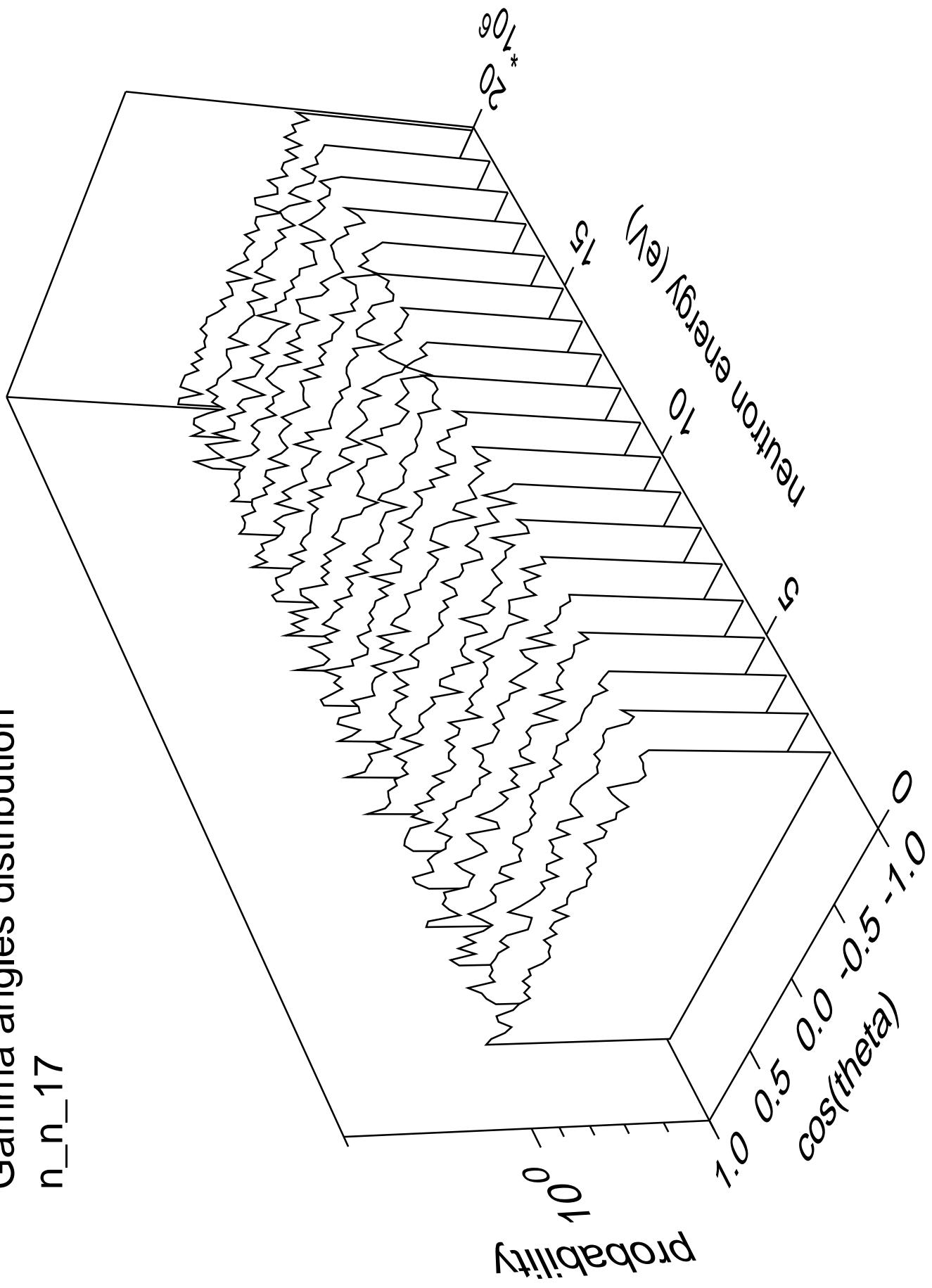


# n\_n\_17

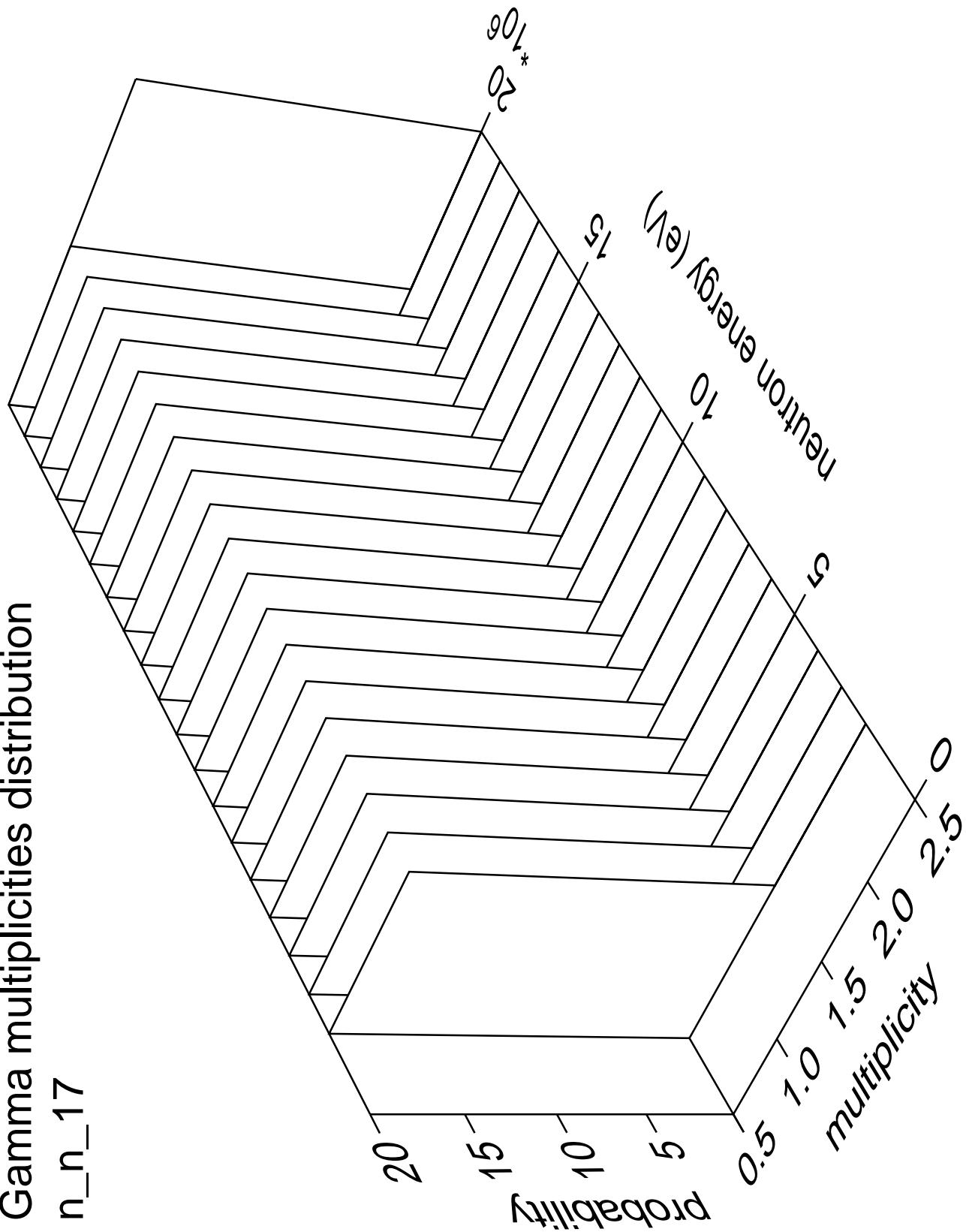


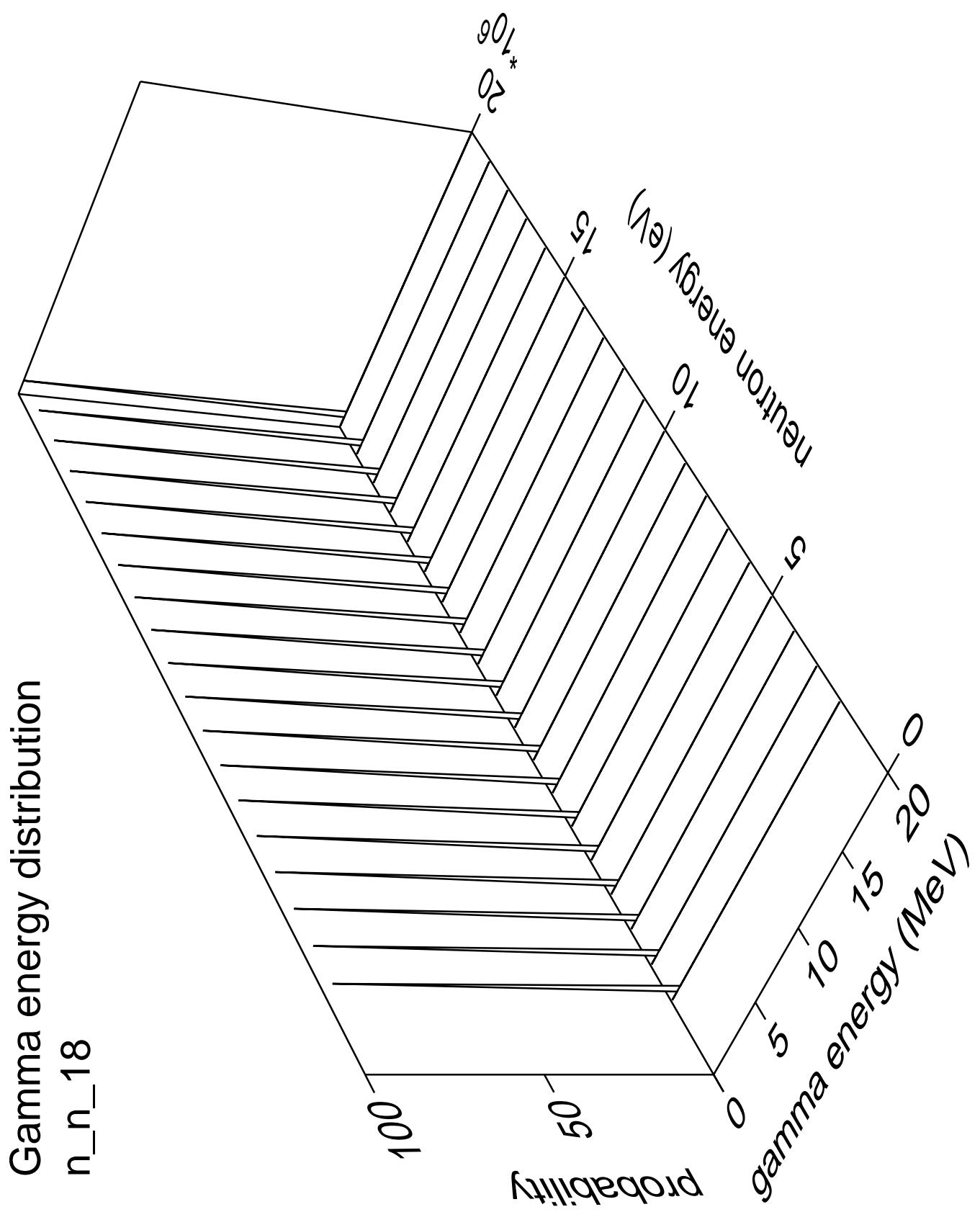
Gamma angles distribution

n\_n\_17



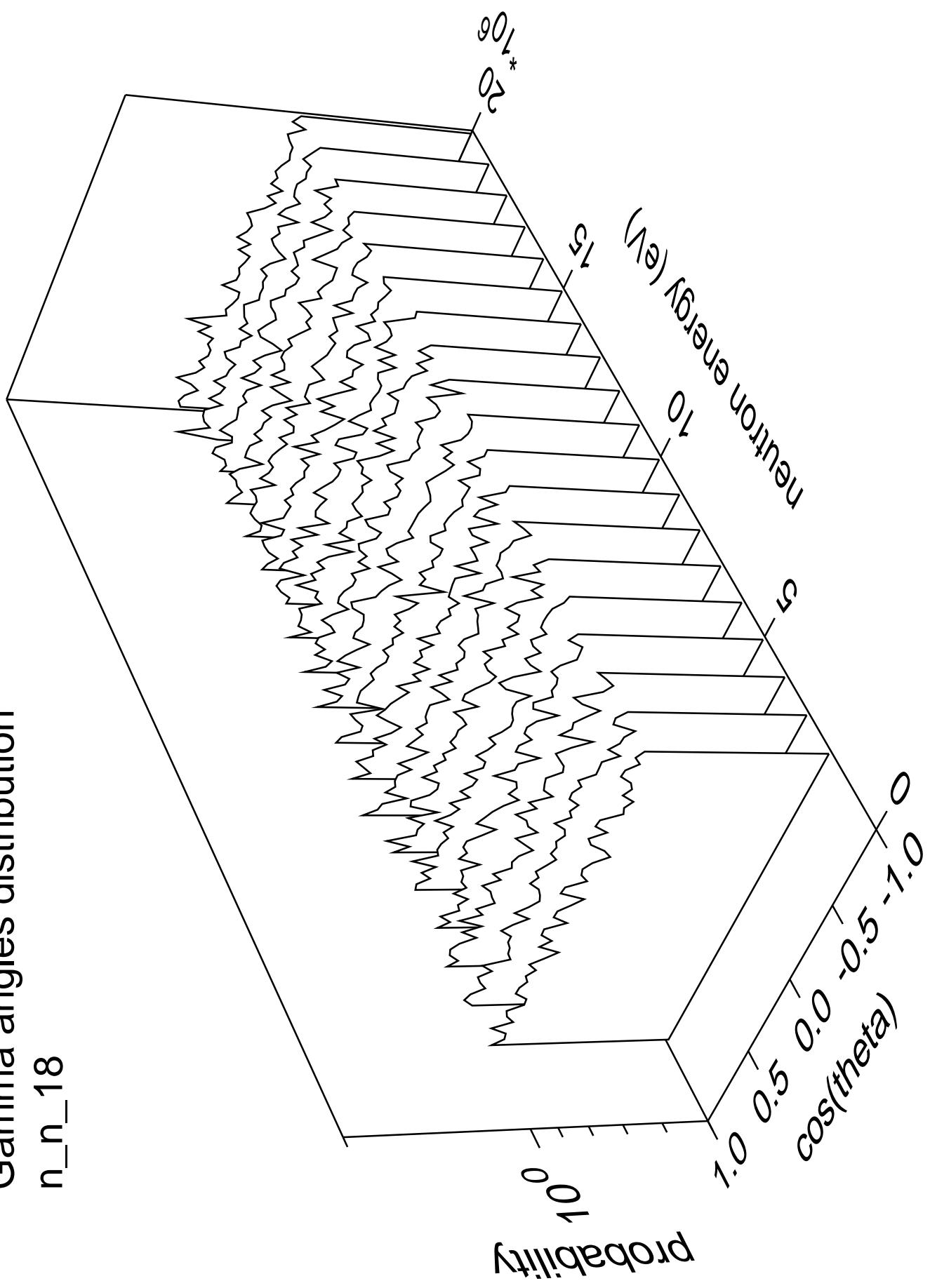
# Gamma multiplicities distribution n\_n\_17



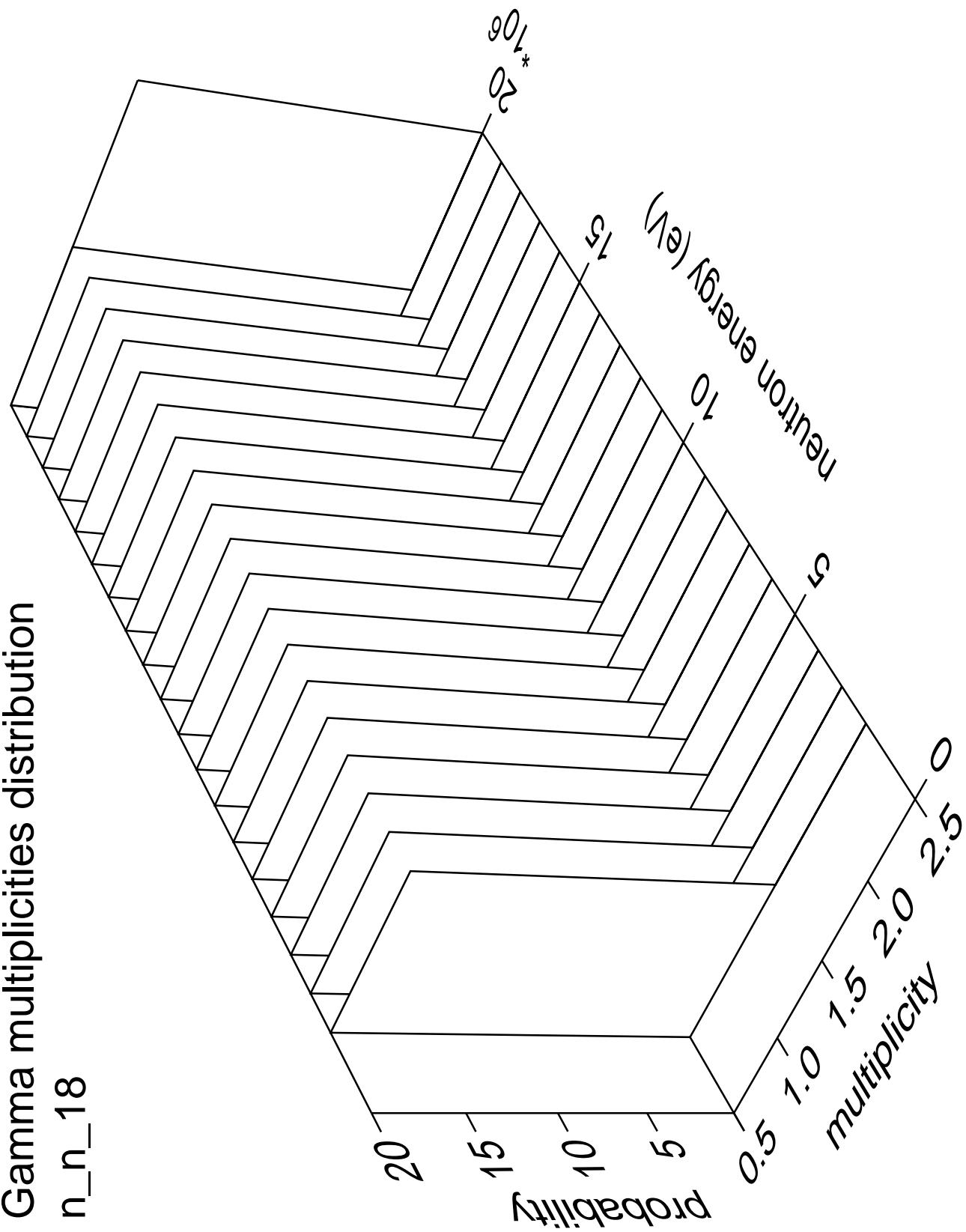


Gamma angles distribution

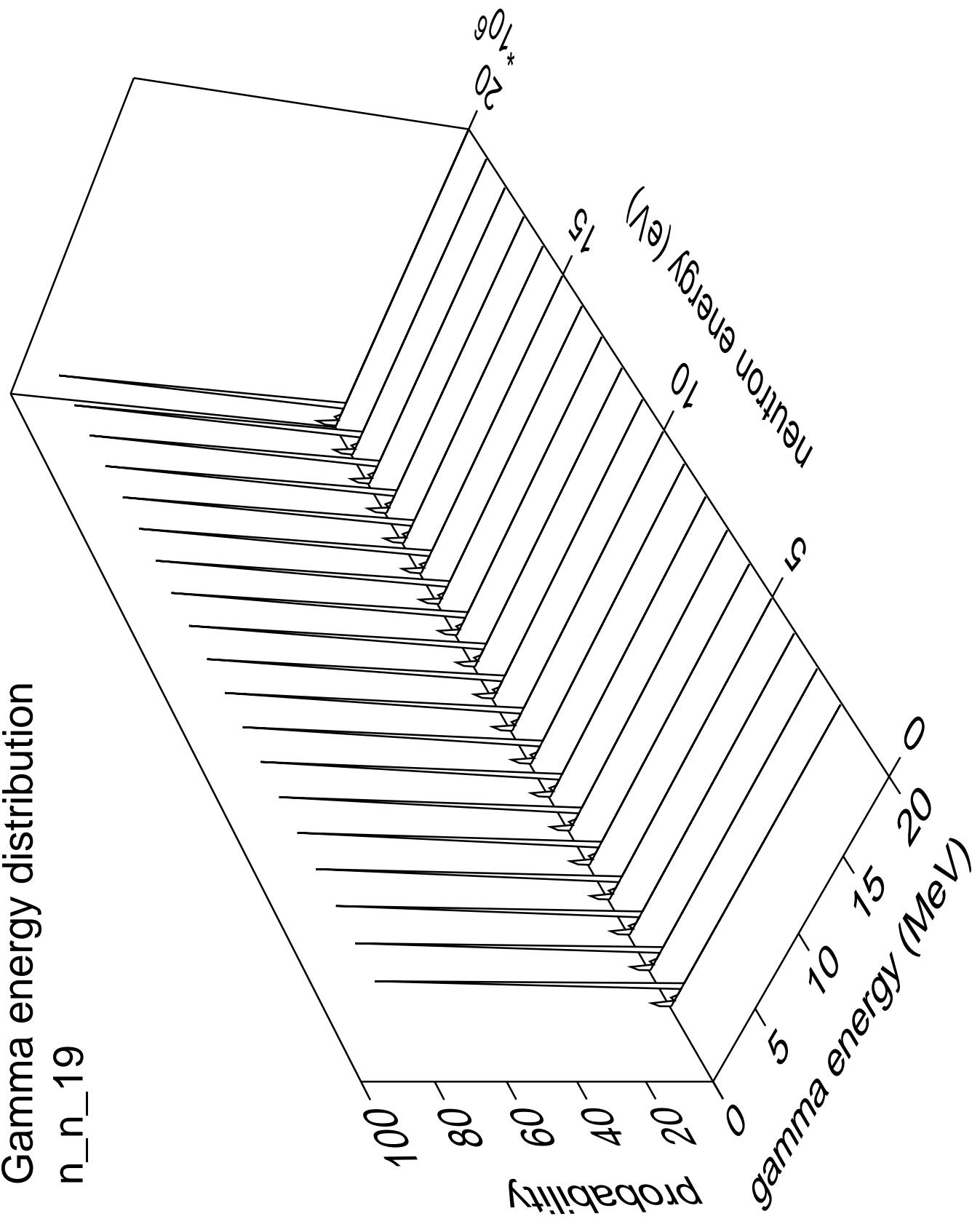
n\_n\_18



# Gamma multiplicities distribution

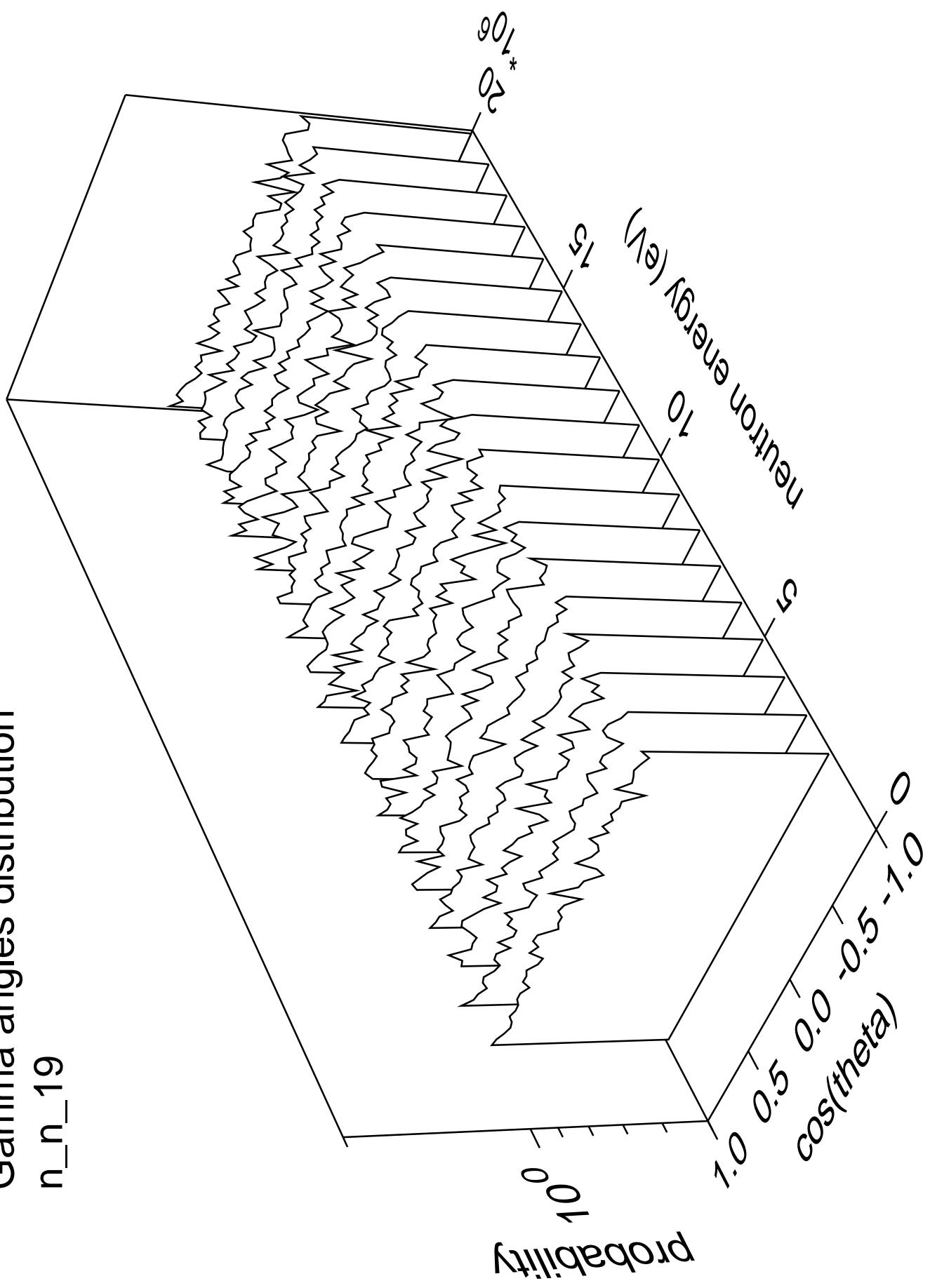


# Gamma energy distribution

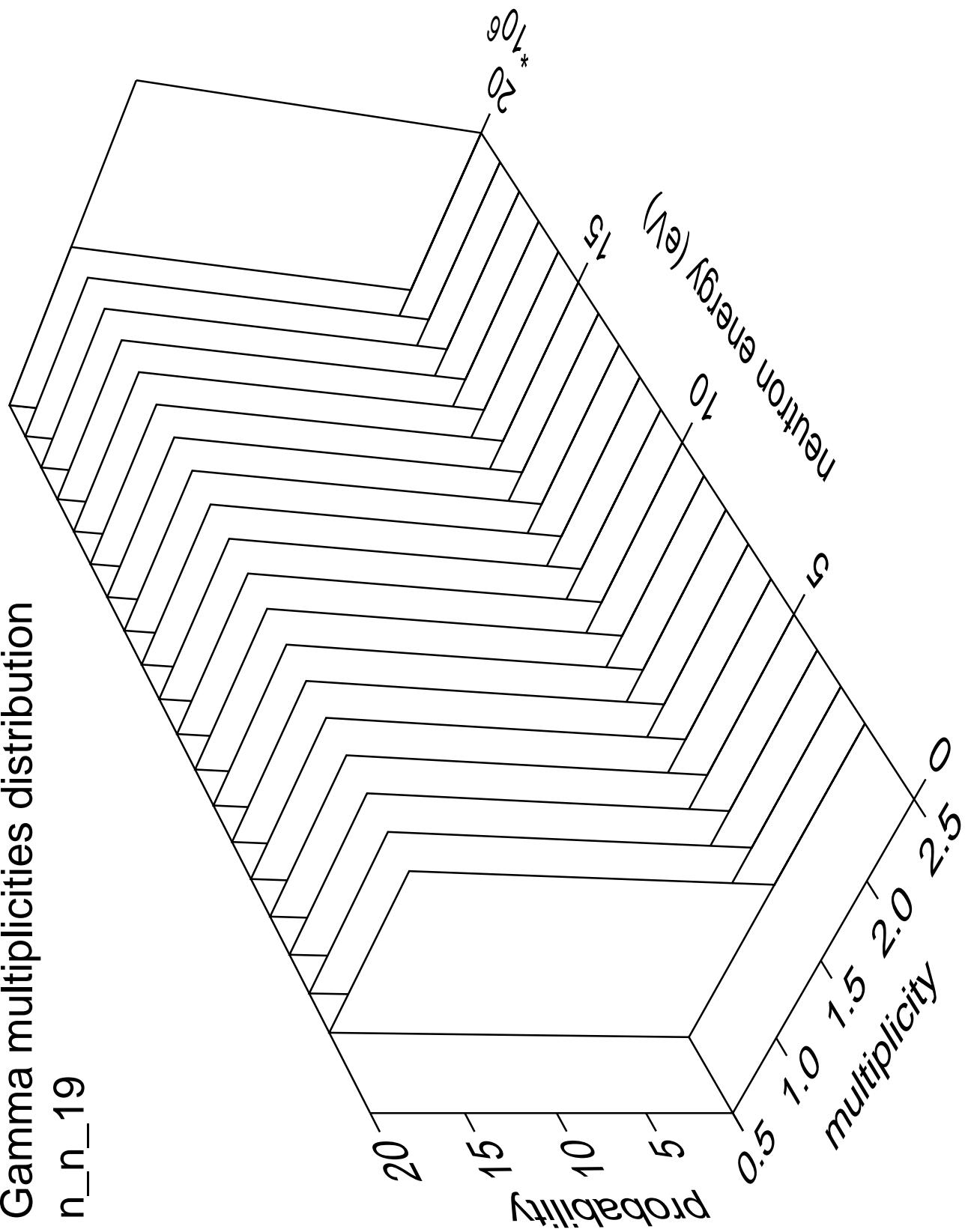


Gamma angles distribution

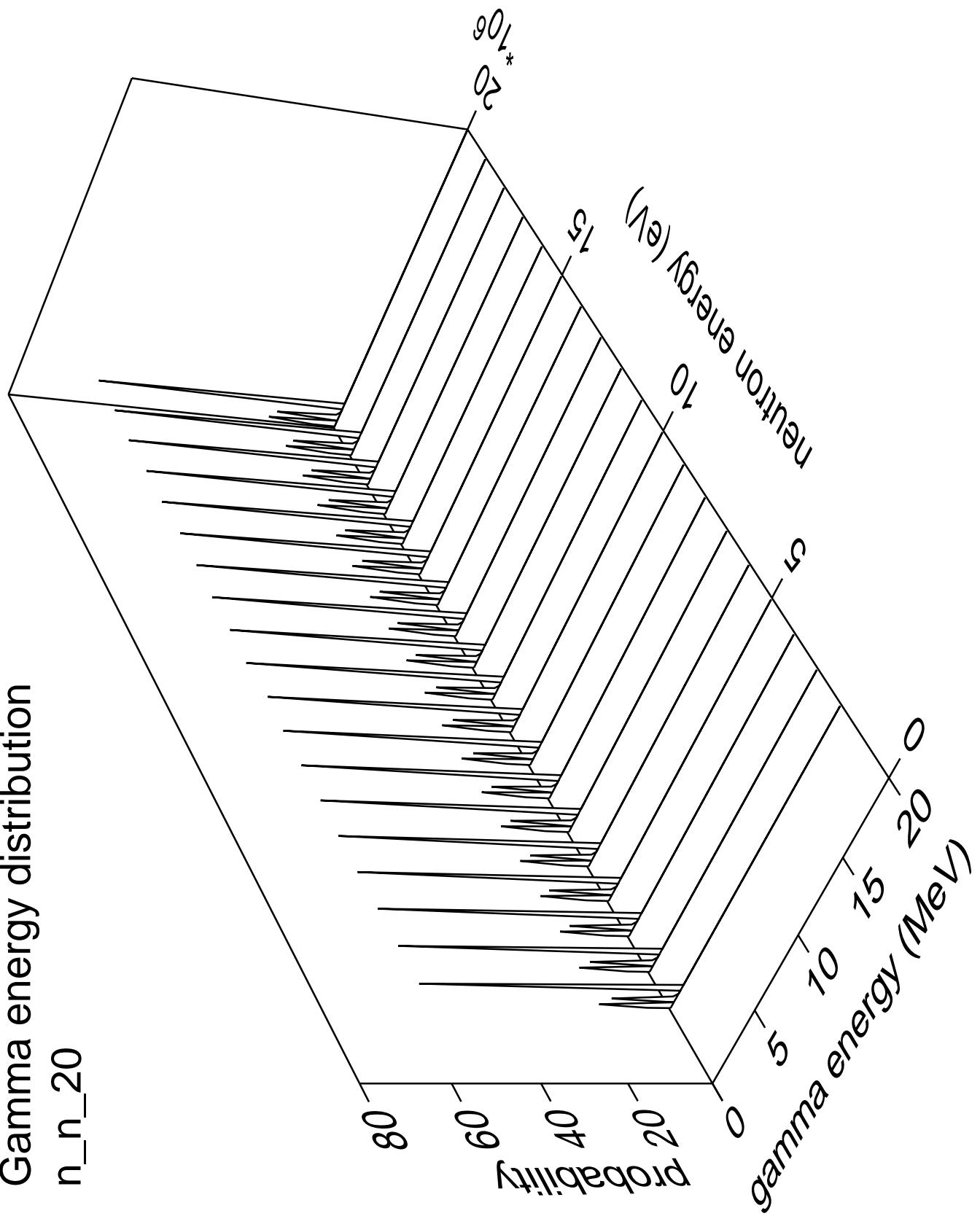
n\_n\_19



# Gamma multiplicities distribution

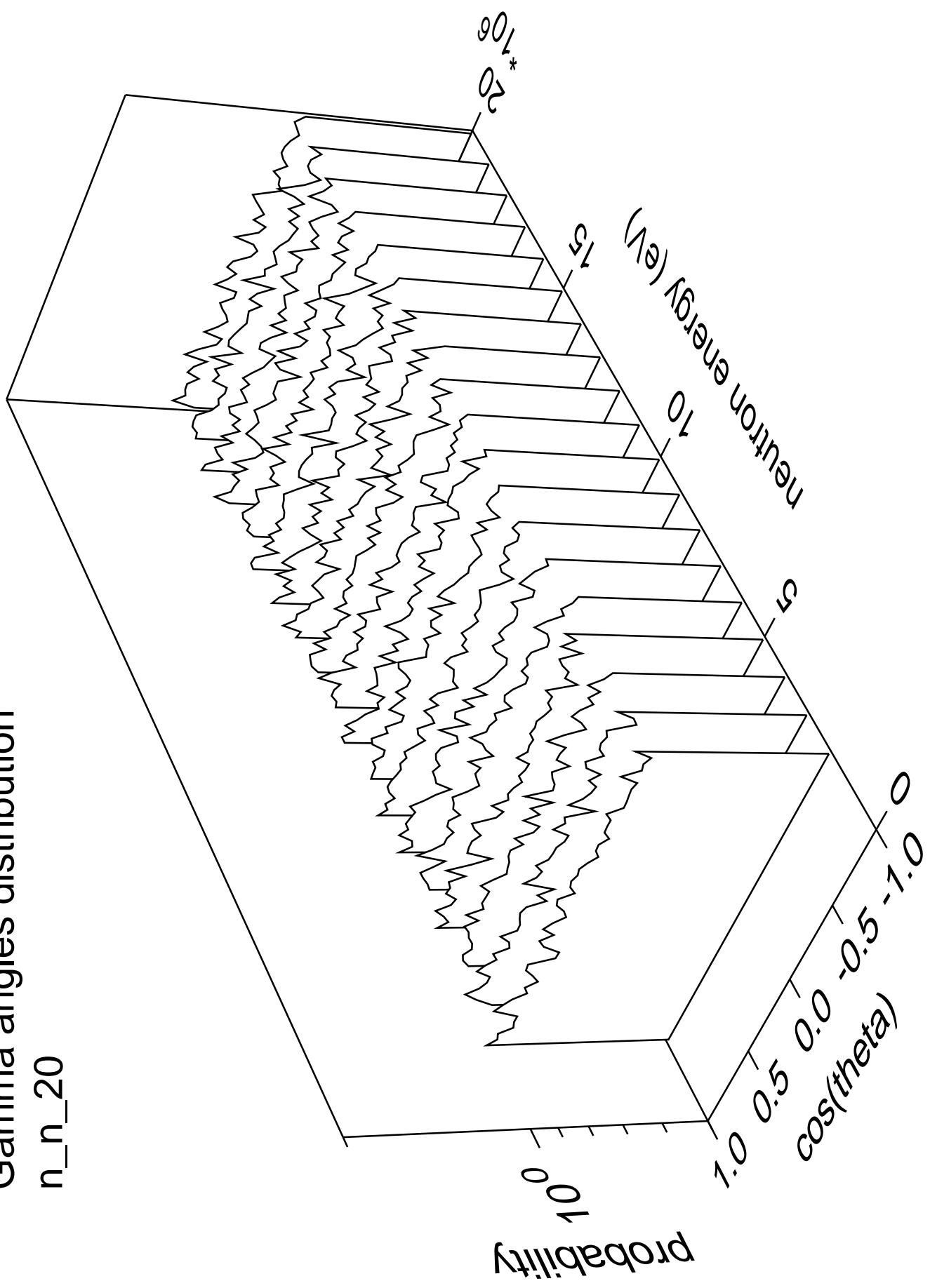


# Gamma energy distribution

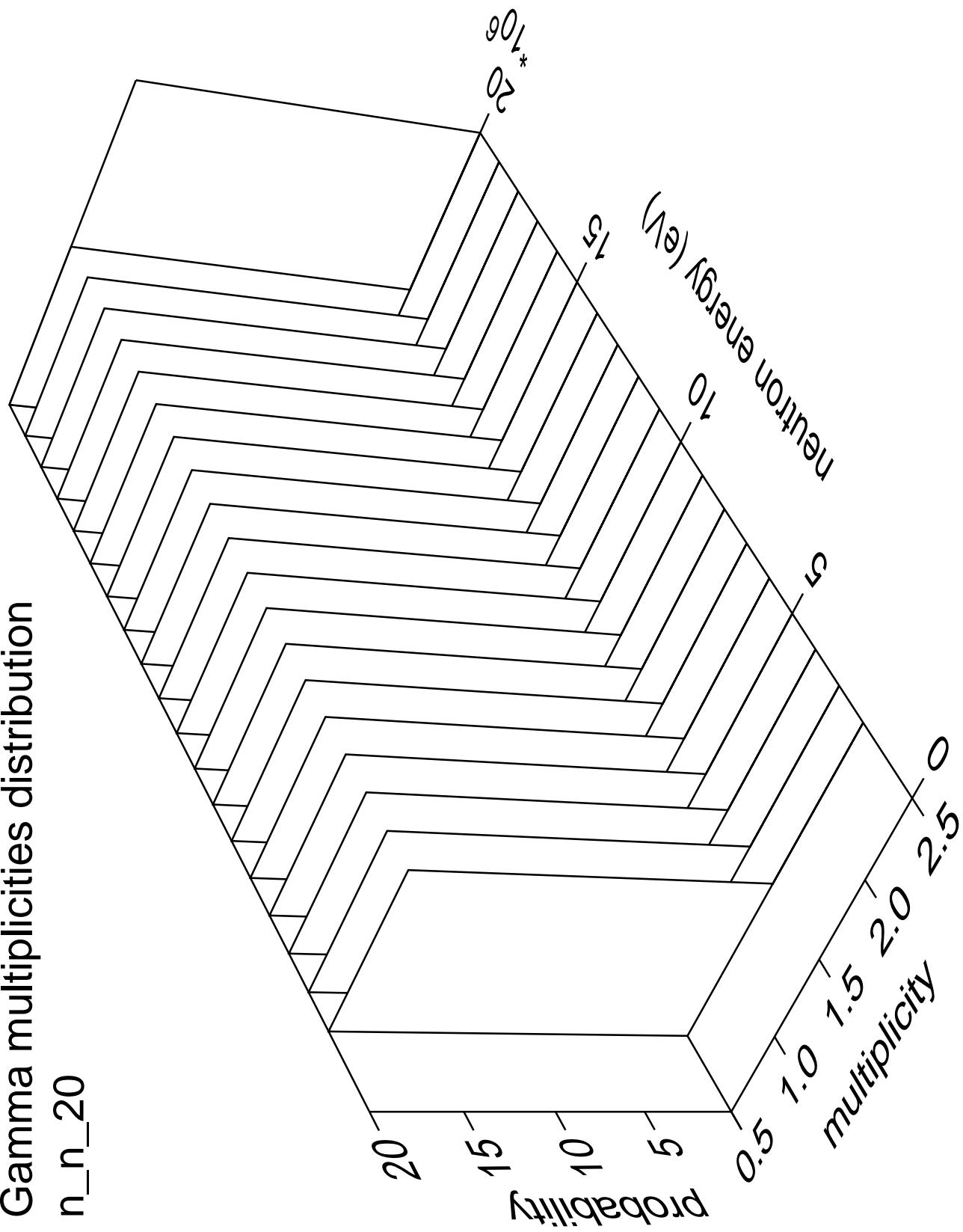


Gamma angles distribution

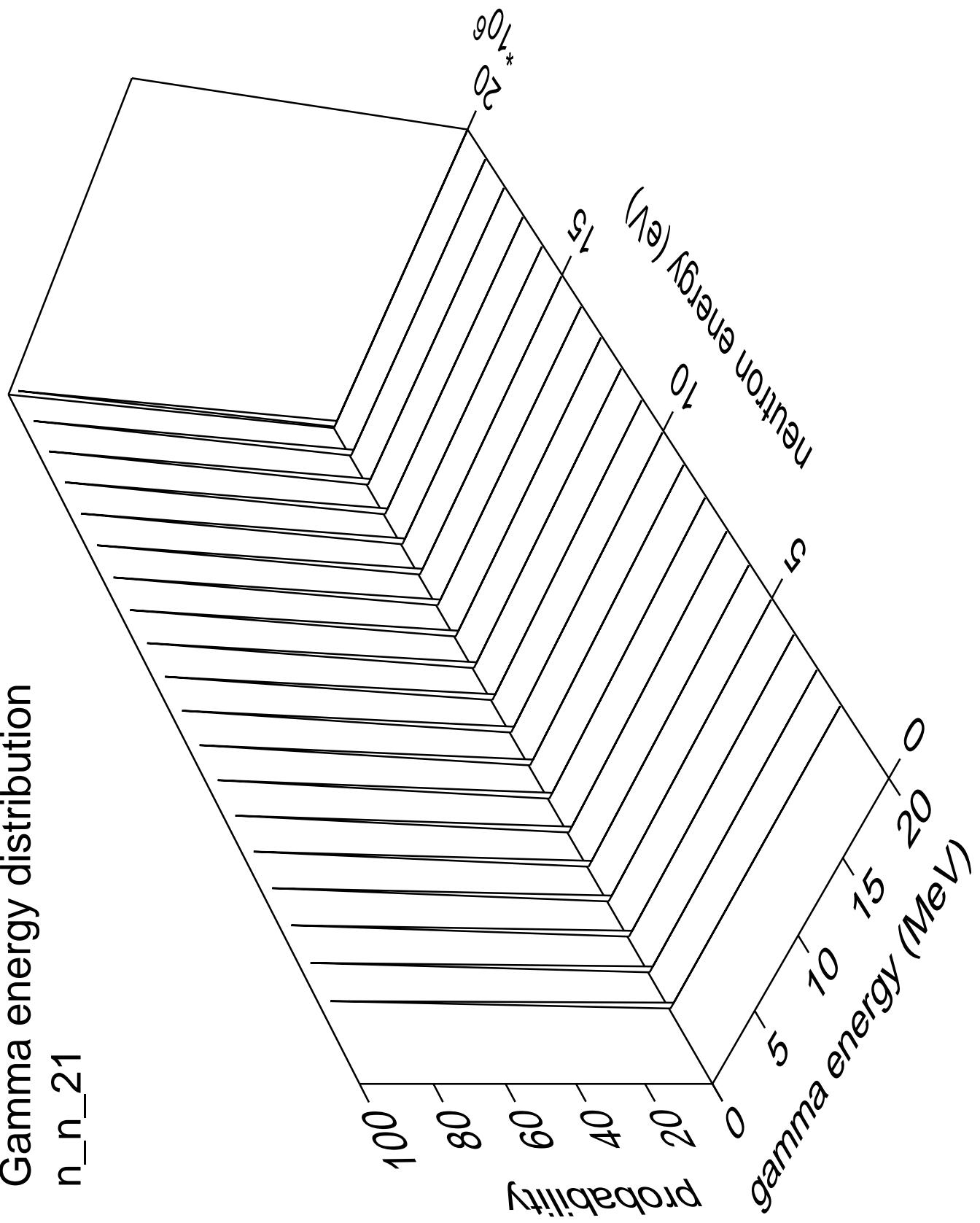
n\_n\_20



# Gamma multiplicities distribution

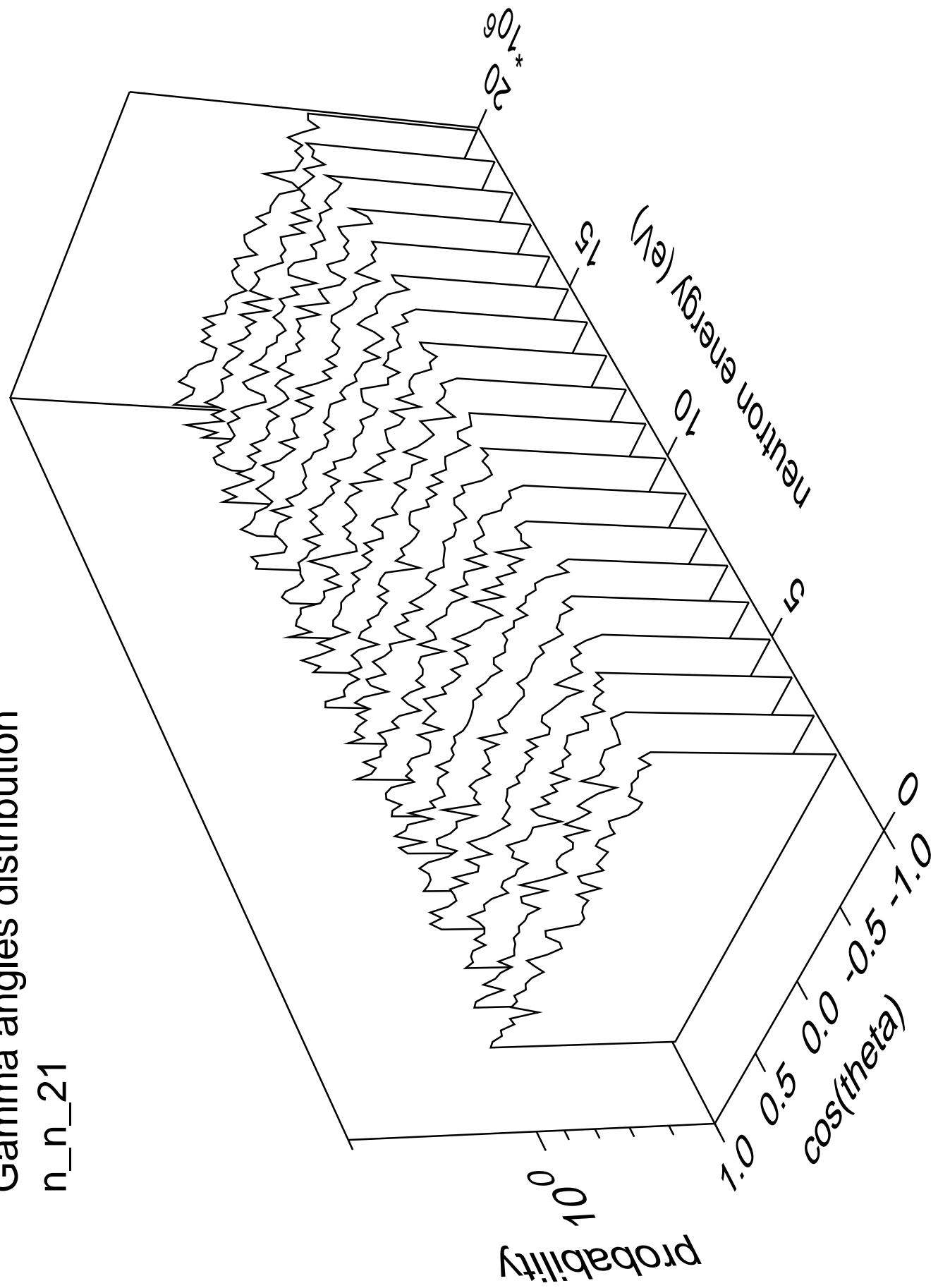


# Gamma energy distribution

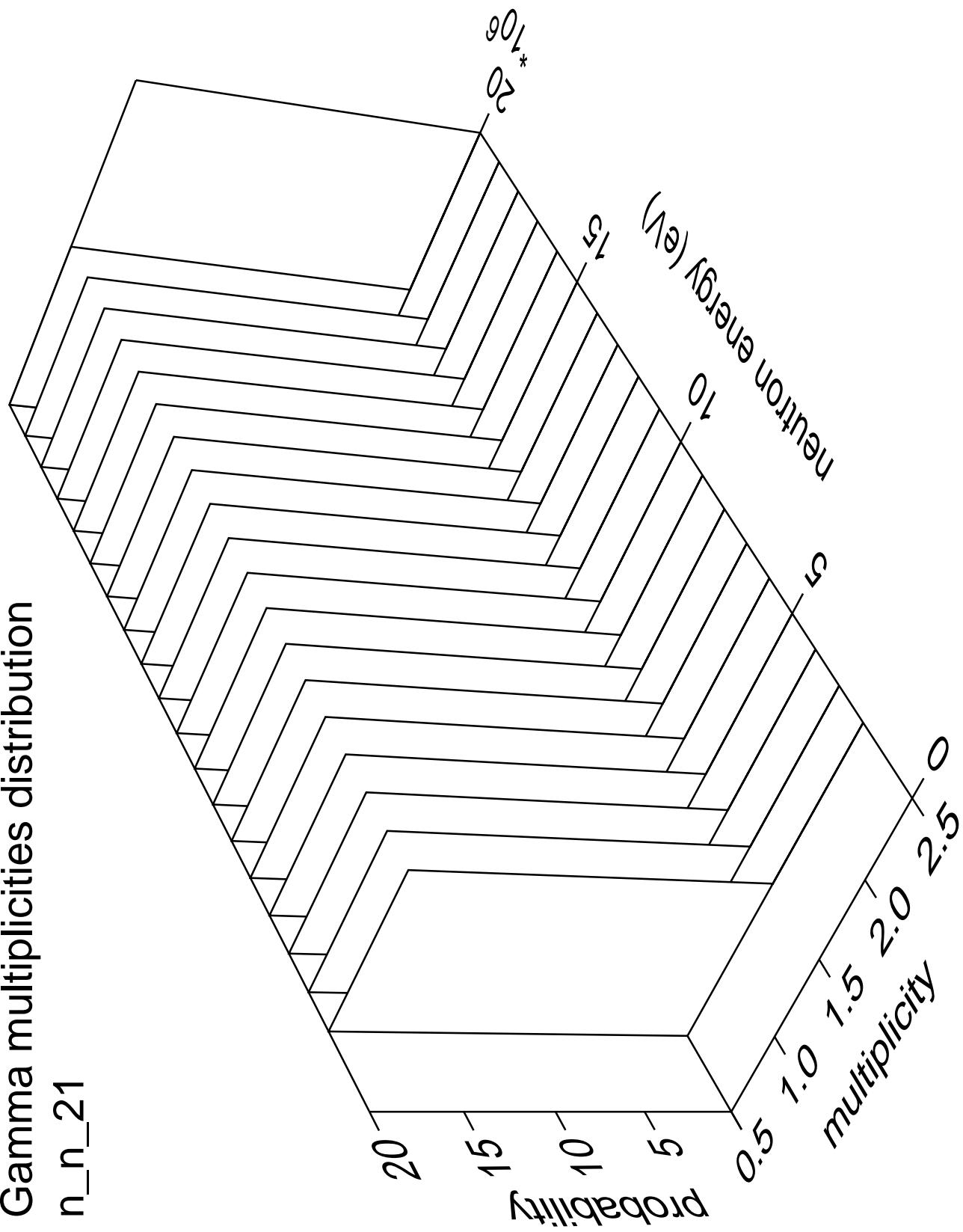


## Gamma angles distribution

$n_n_{21}$

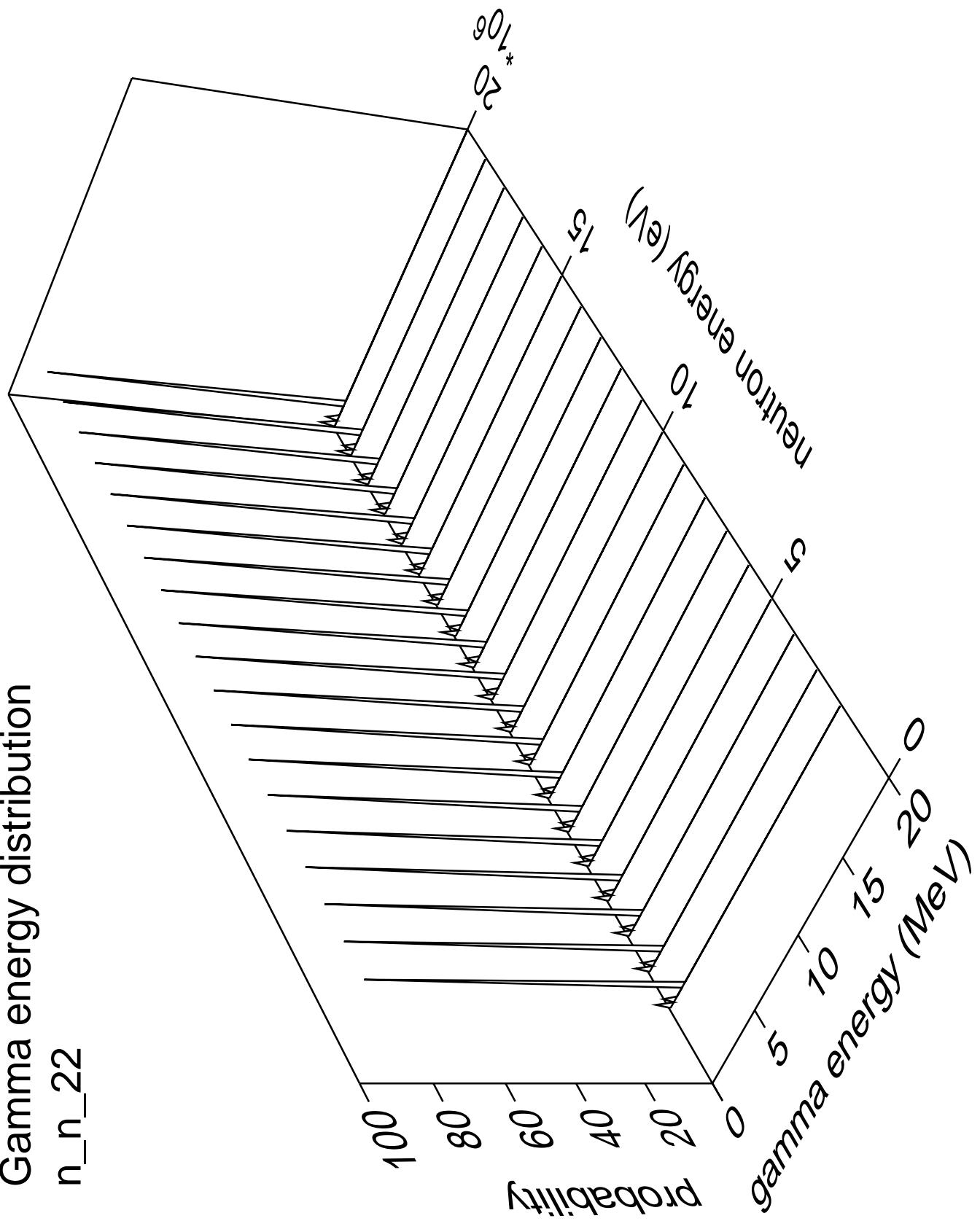


# Gamma multiplicities distribution



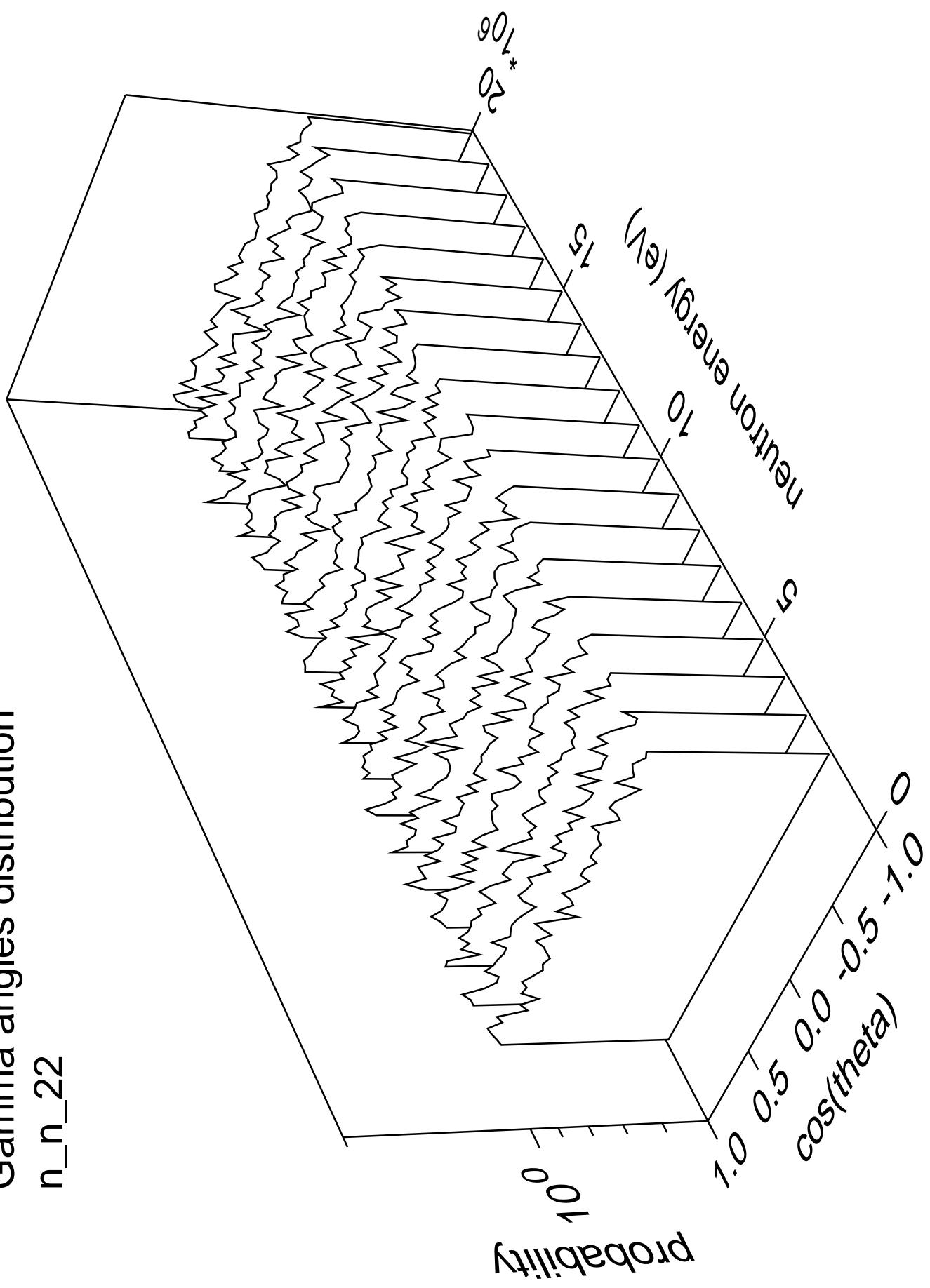
# Gamma energy distribution

n\_n\_22

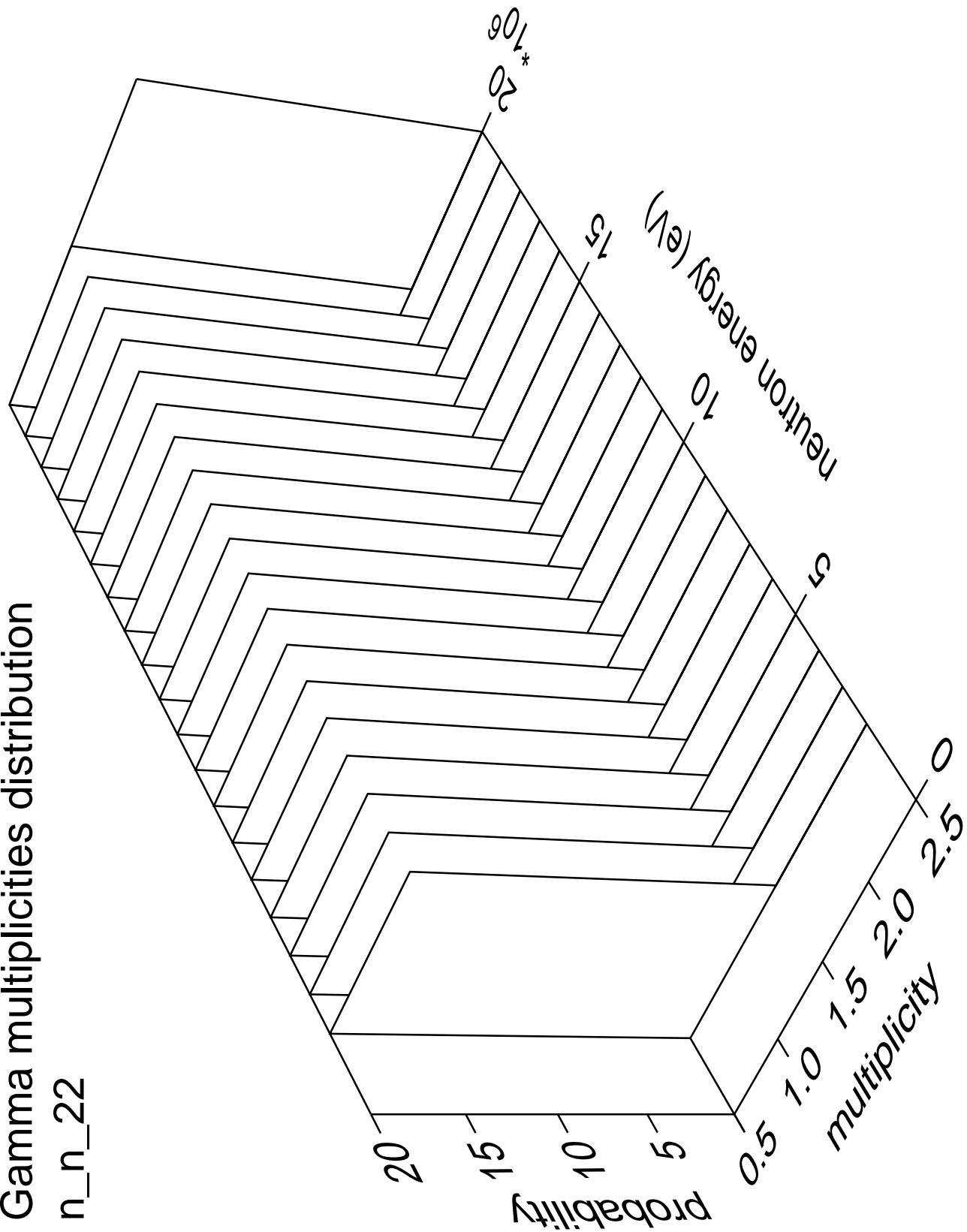


Gamma angles distribution

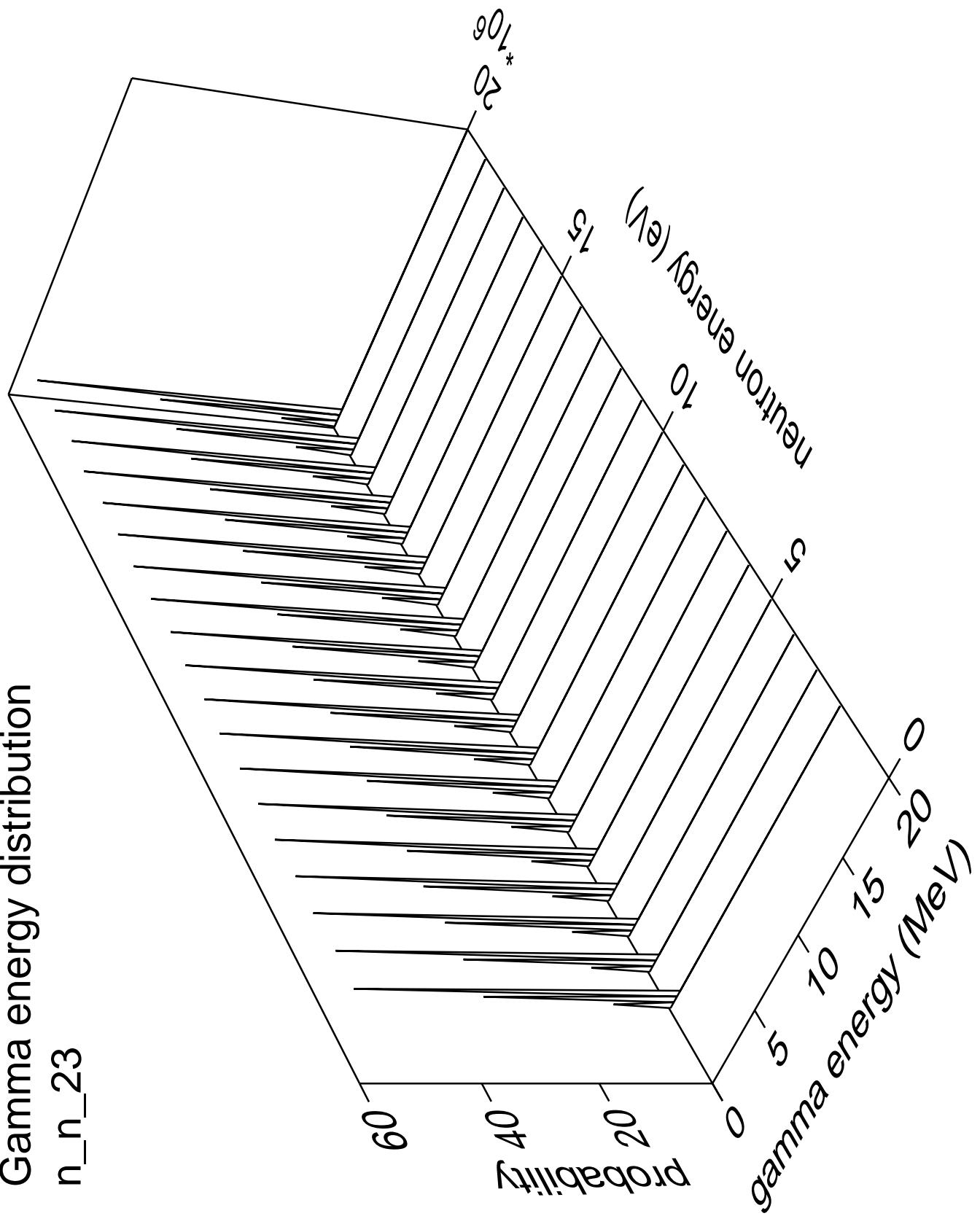
n\_n\_22



# Gamma multiplicities distribution

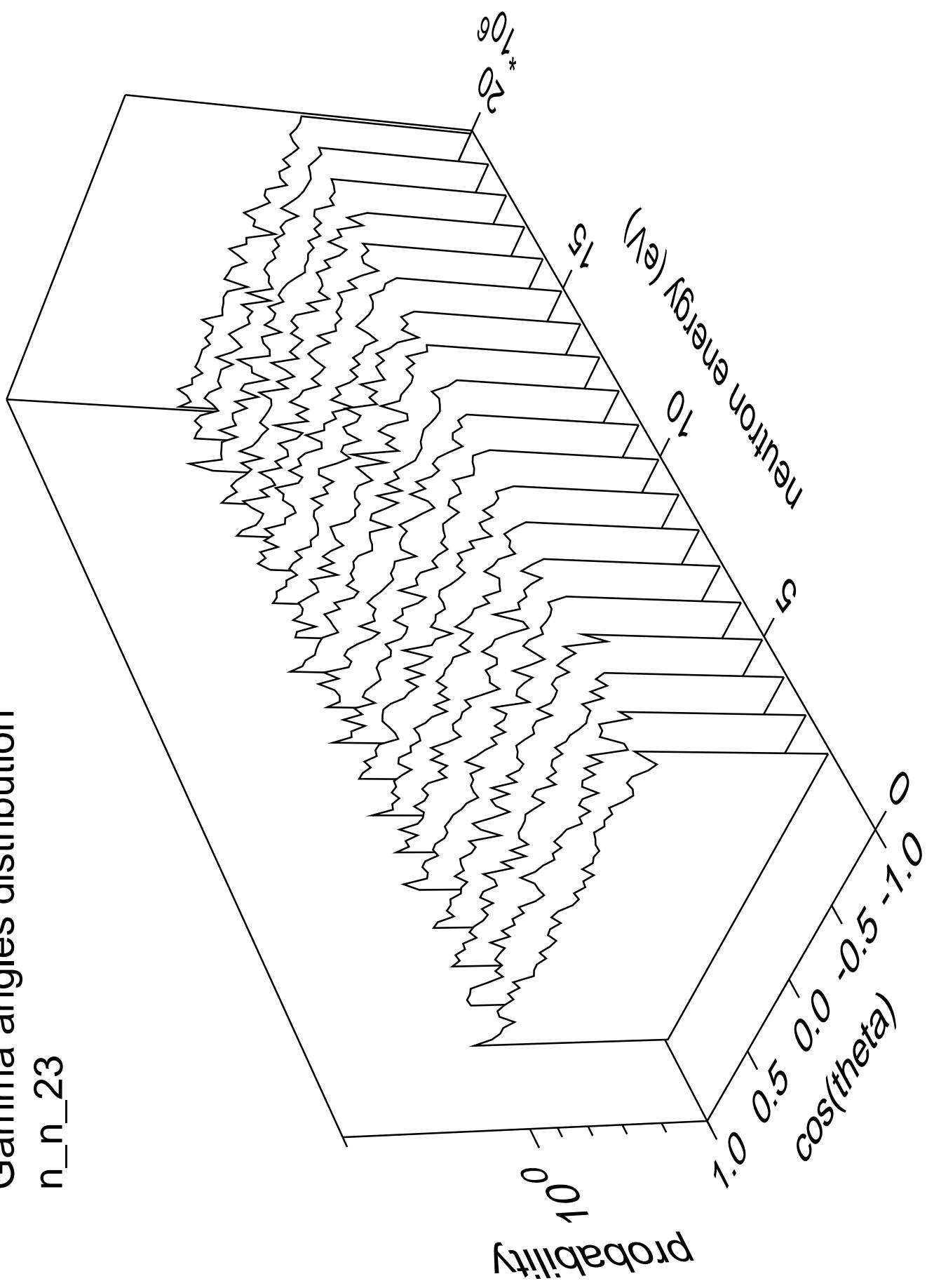


# Gamma energy distribution

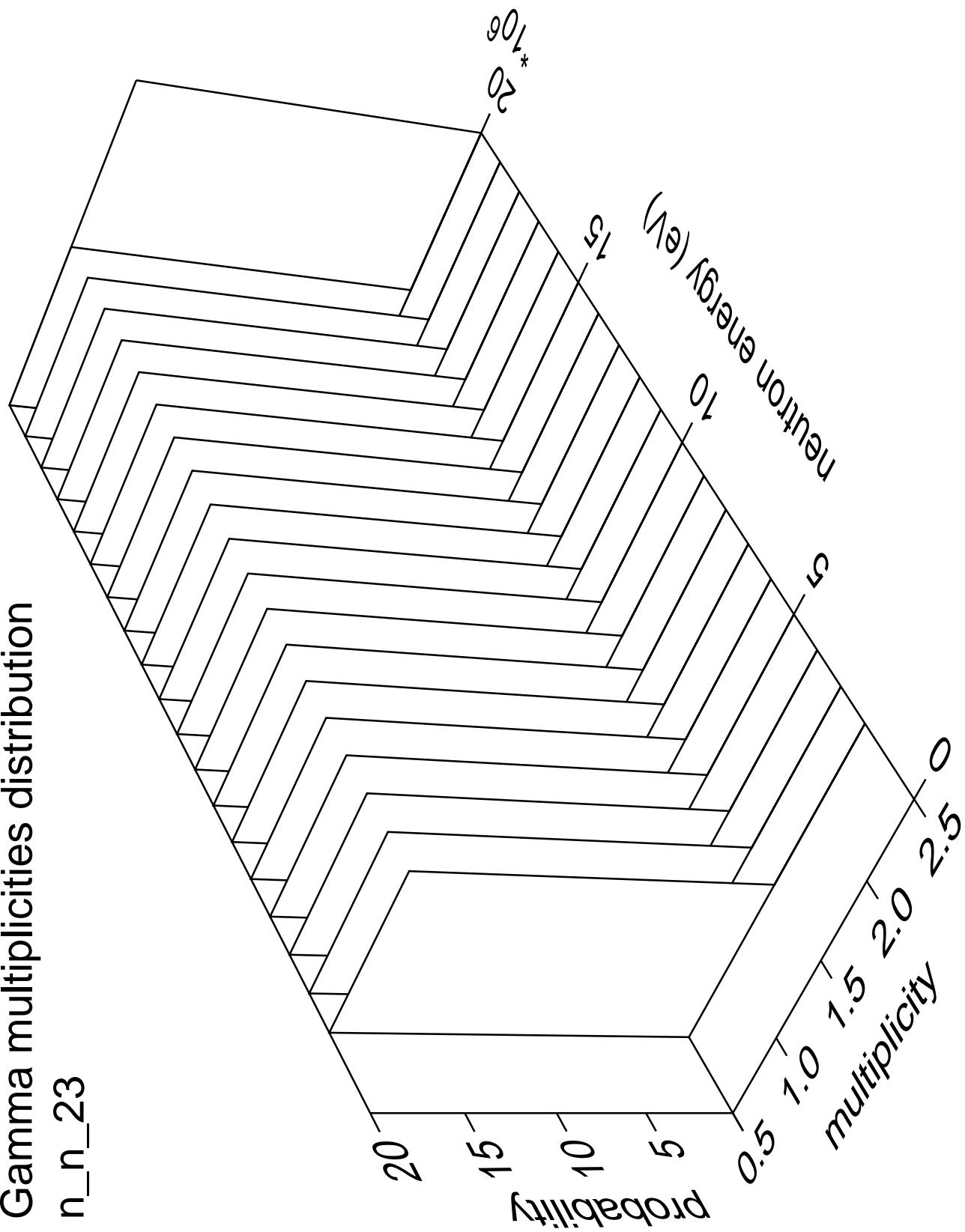


Gamma angles distribution

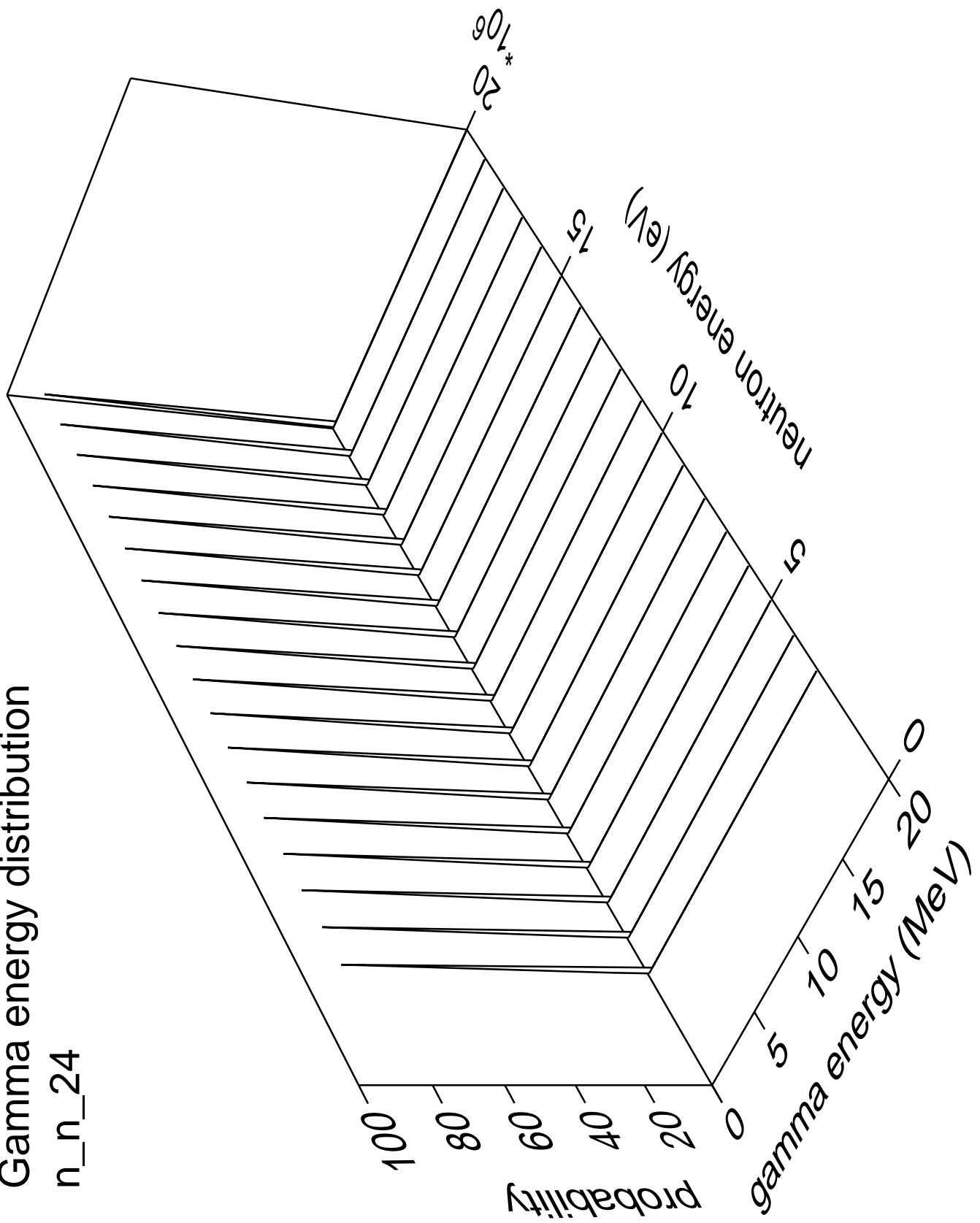
$n_{n_{23}}$



# Gamma multiplicities distribution

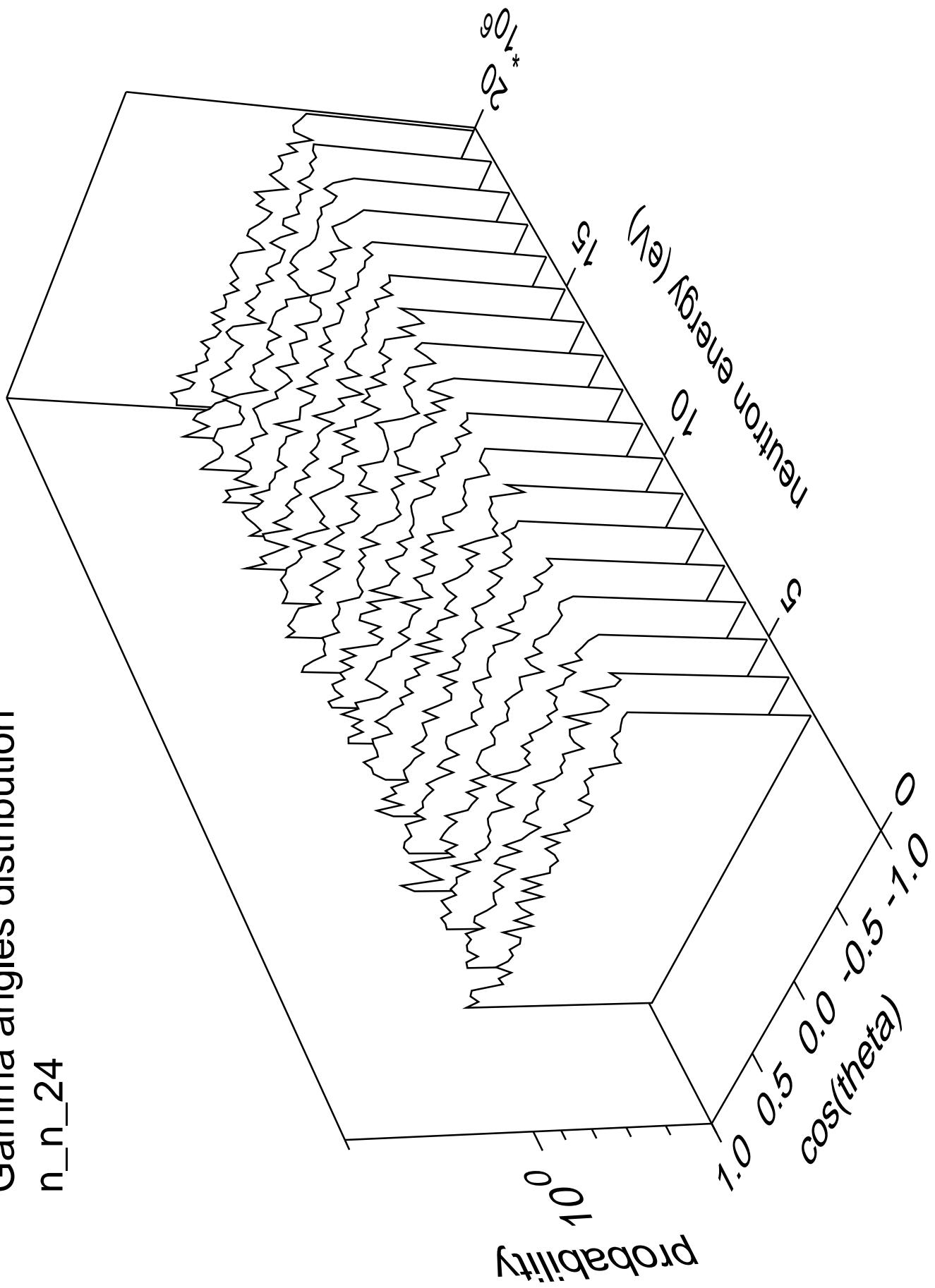


# Gamma energy distribution n\_n\_24

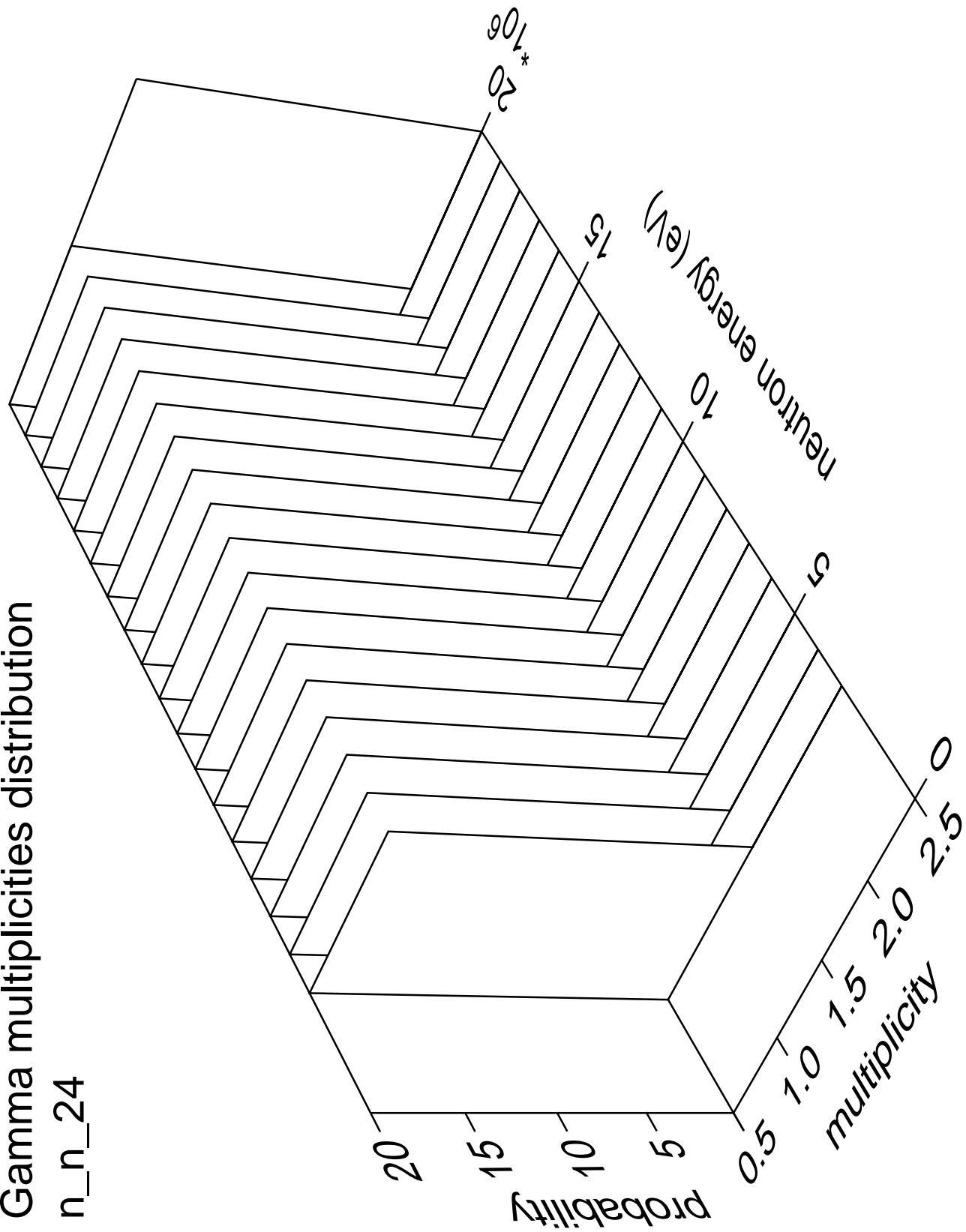


# Gamma angles distribution

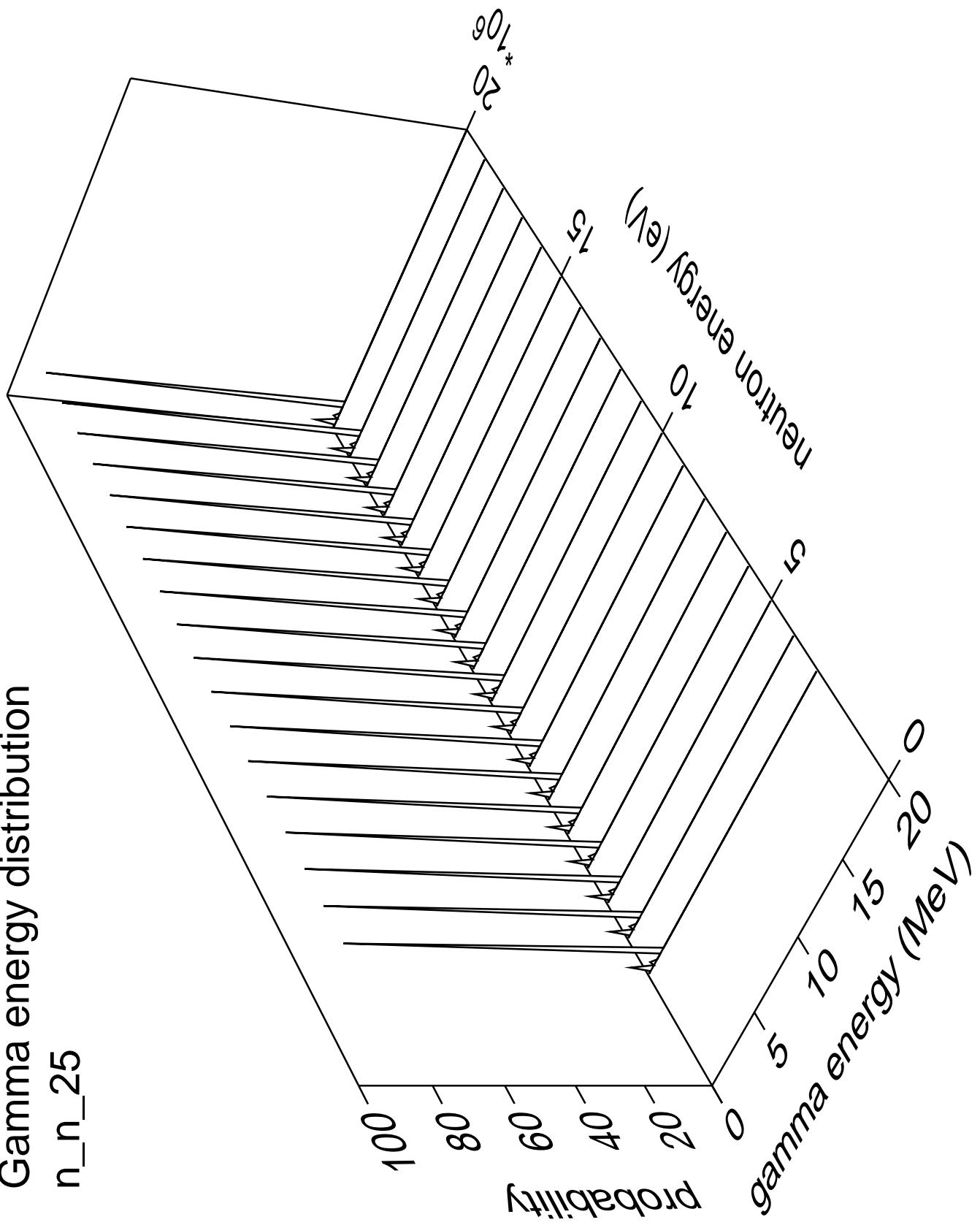
n\_n\_24



# Gamma multiplicities distribution

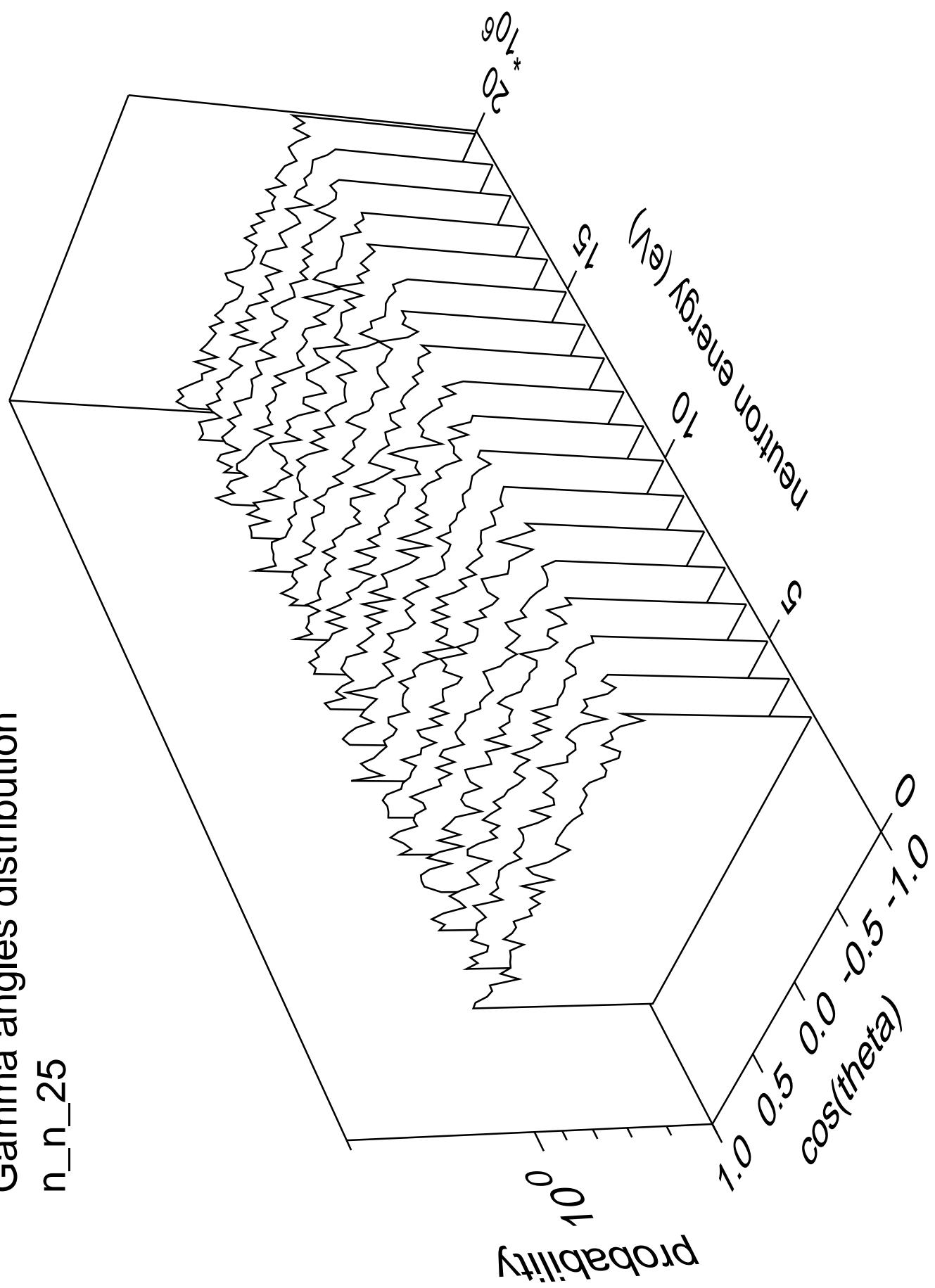


# Gamma energy distribution n\_n\_25

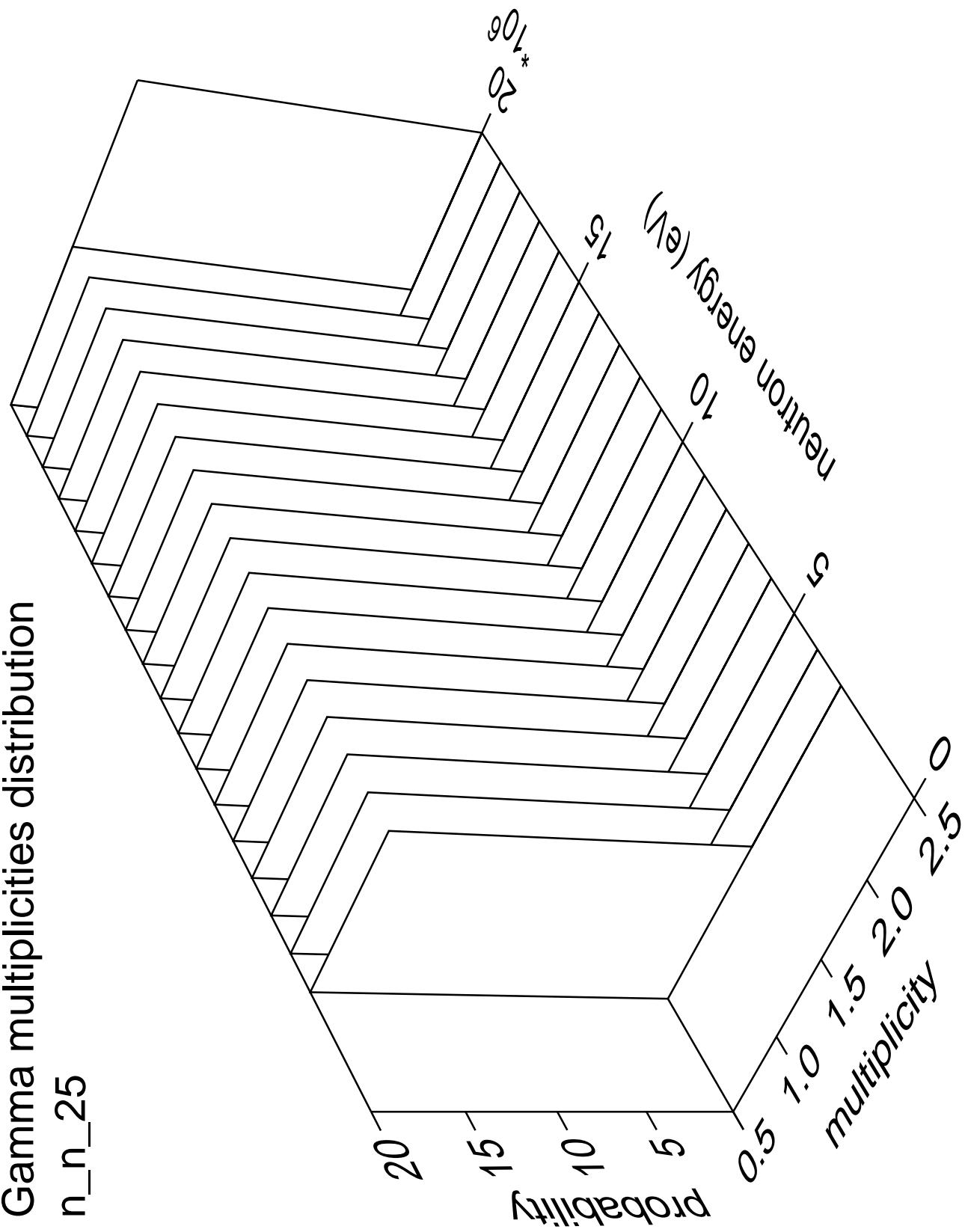


## Gamma angles distribution

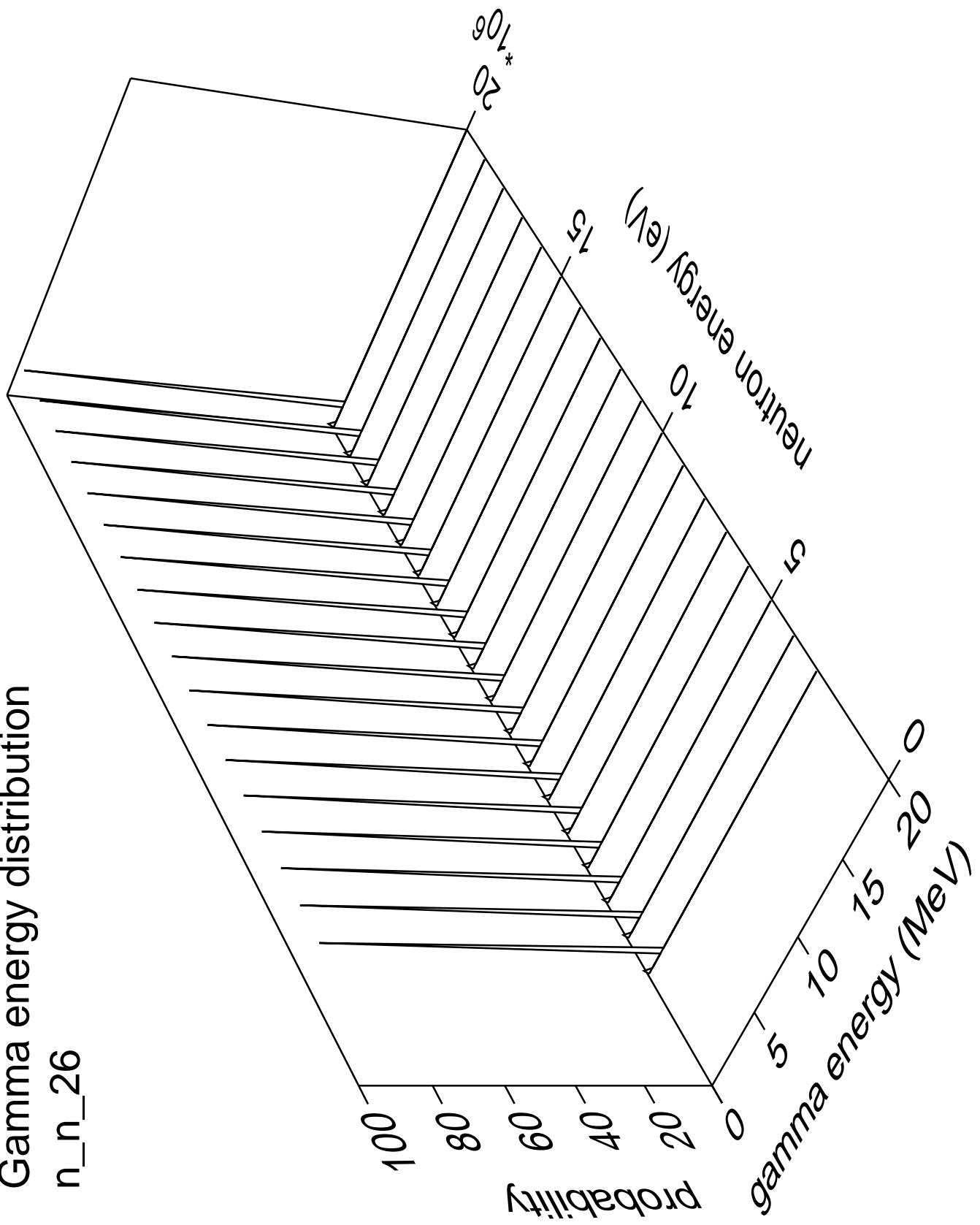
n\_n\_25



# Gamma multiplicities distribution

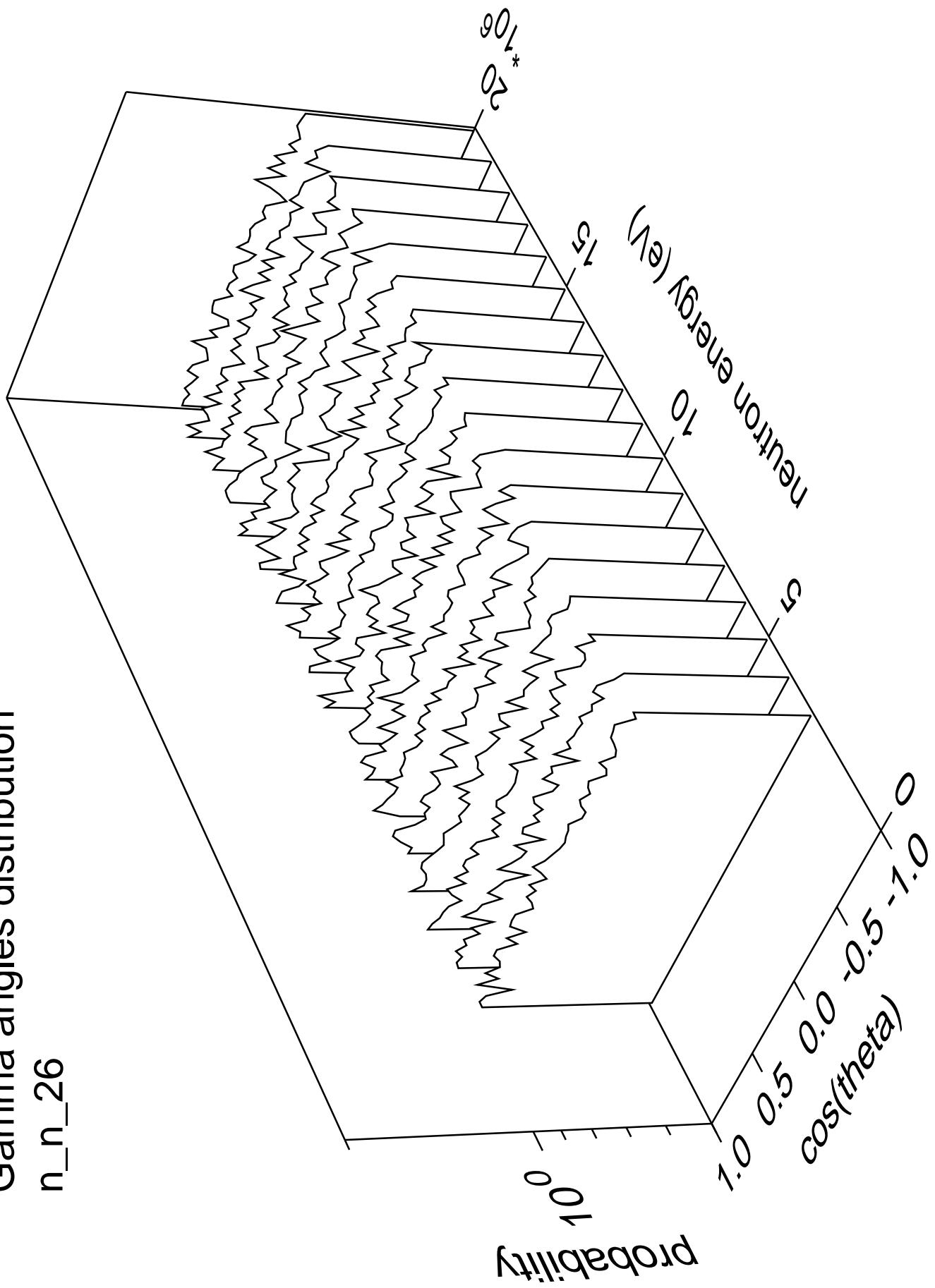


# Gamma energy distribution n\_n\_26

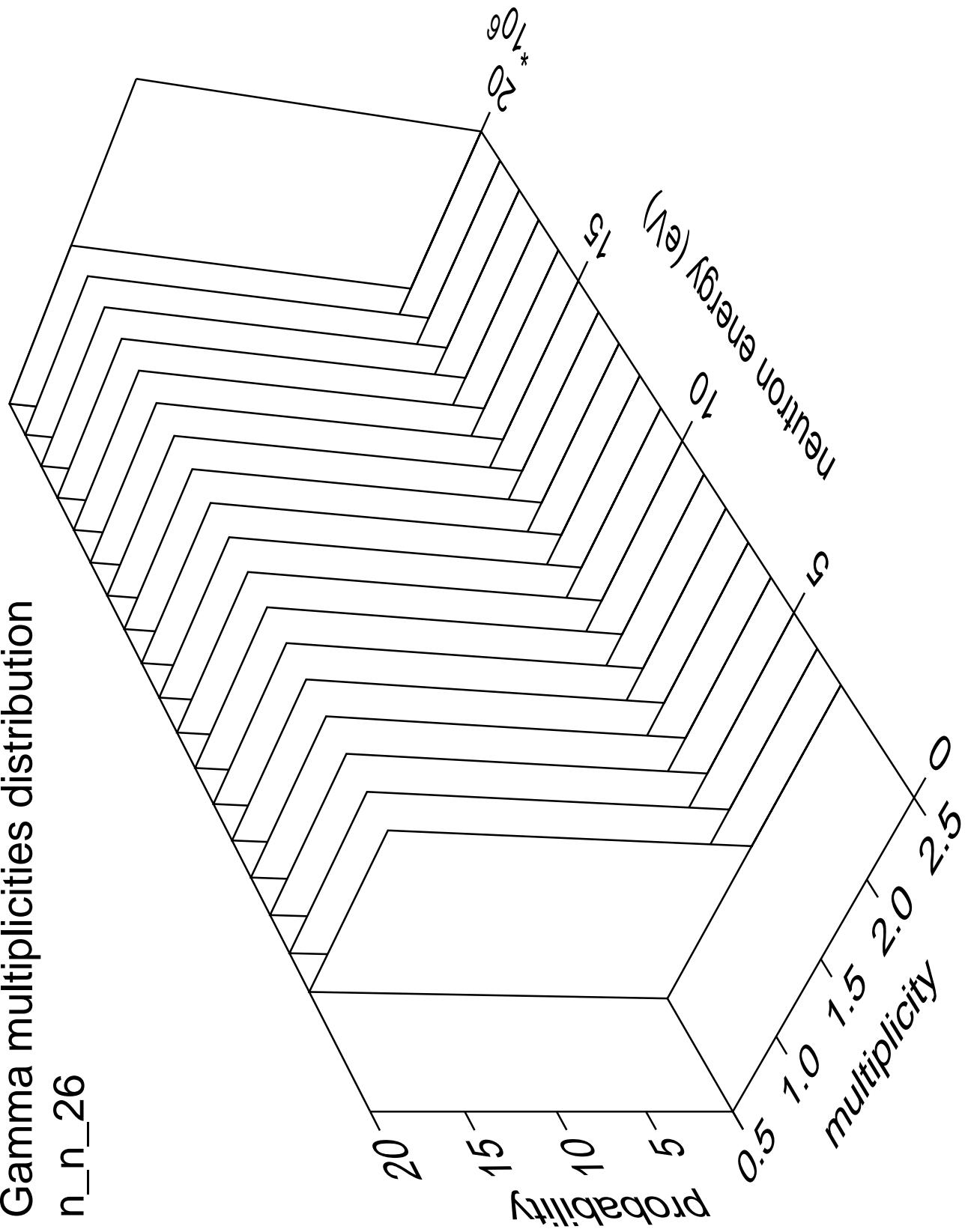


## Gamma angles distribution

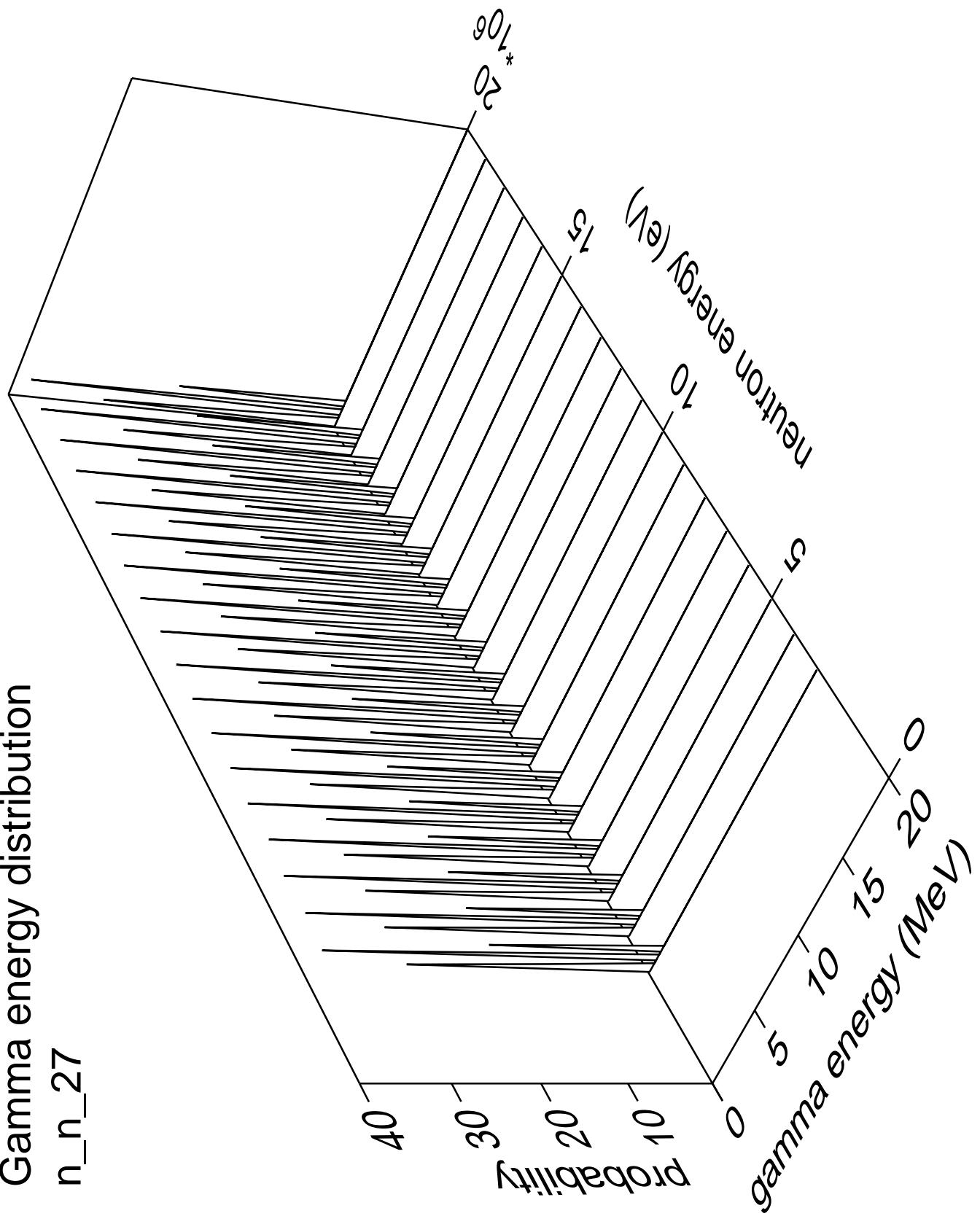
n\_n\_26



# Gamma multiplicities distribution

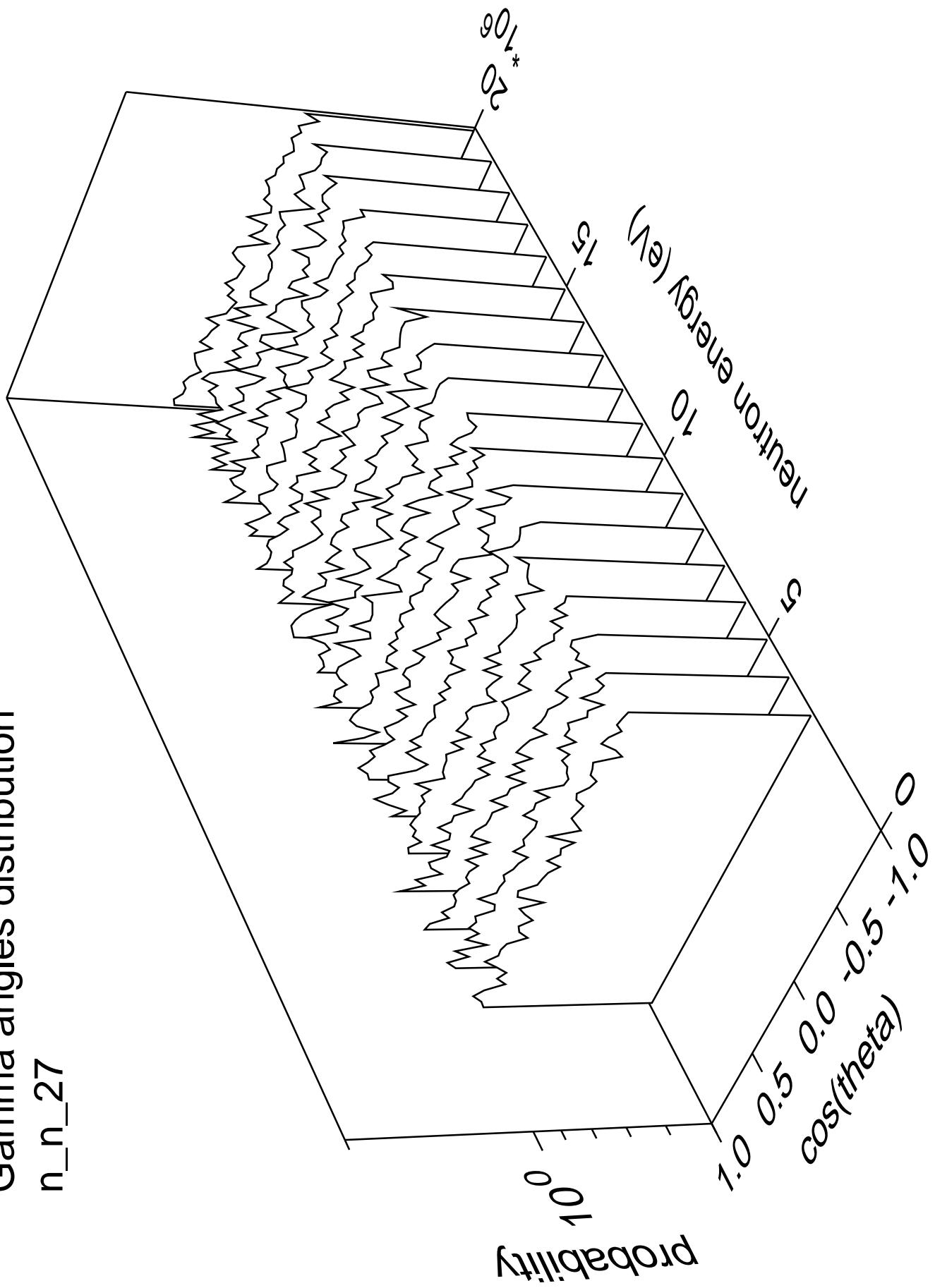


# Gamma energy distribution

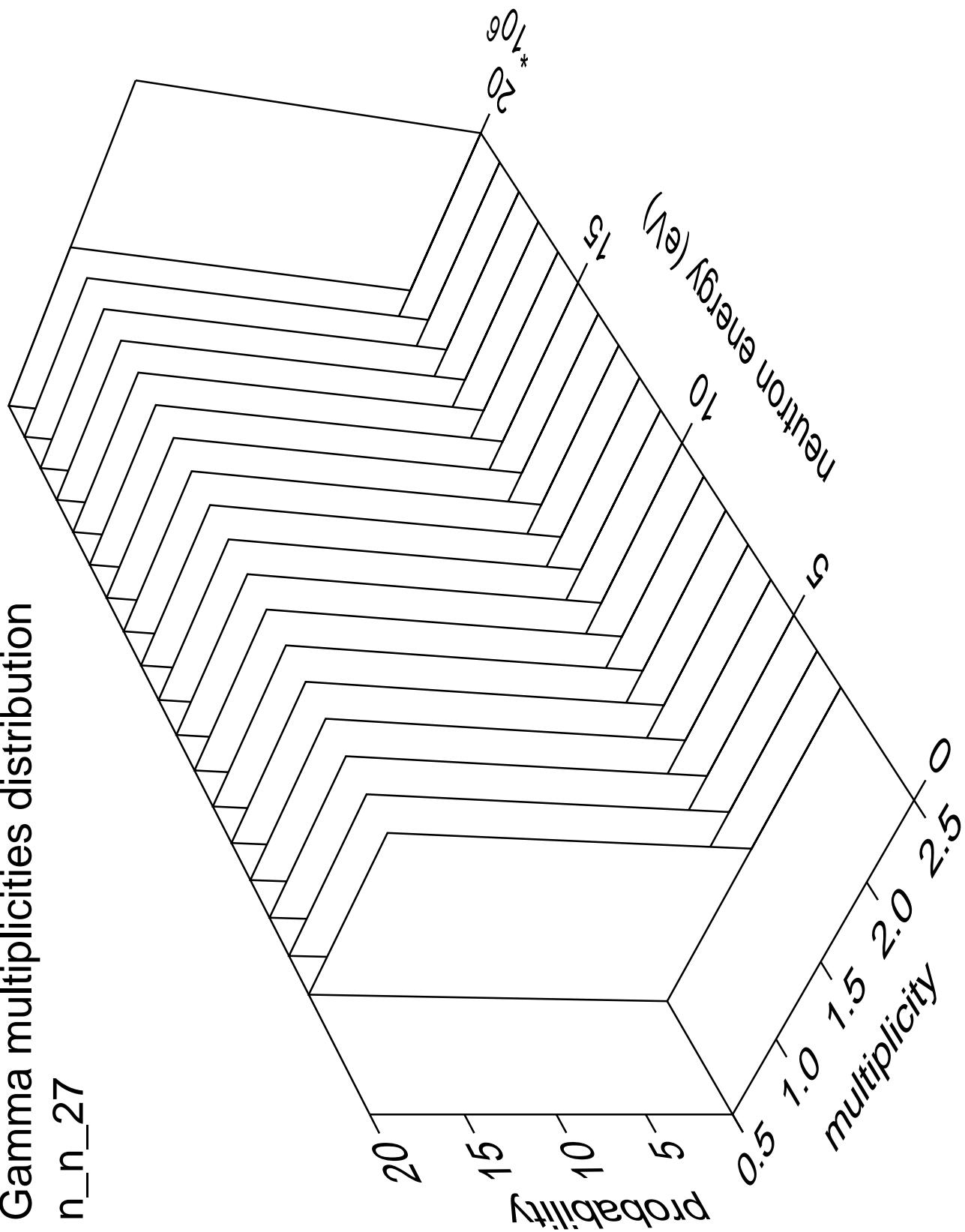


Gamma angles distribution

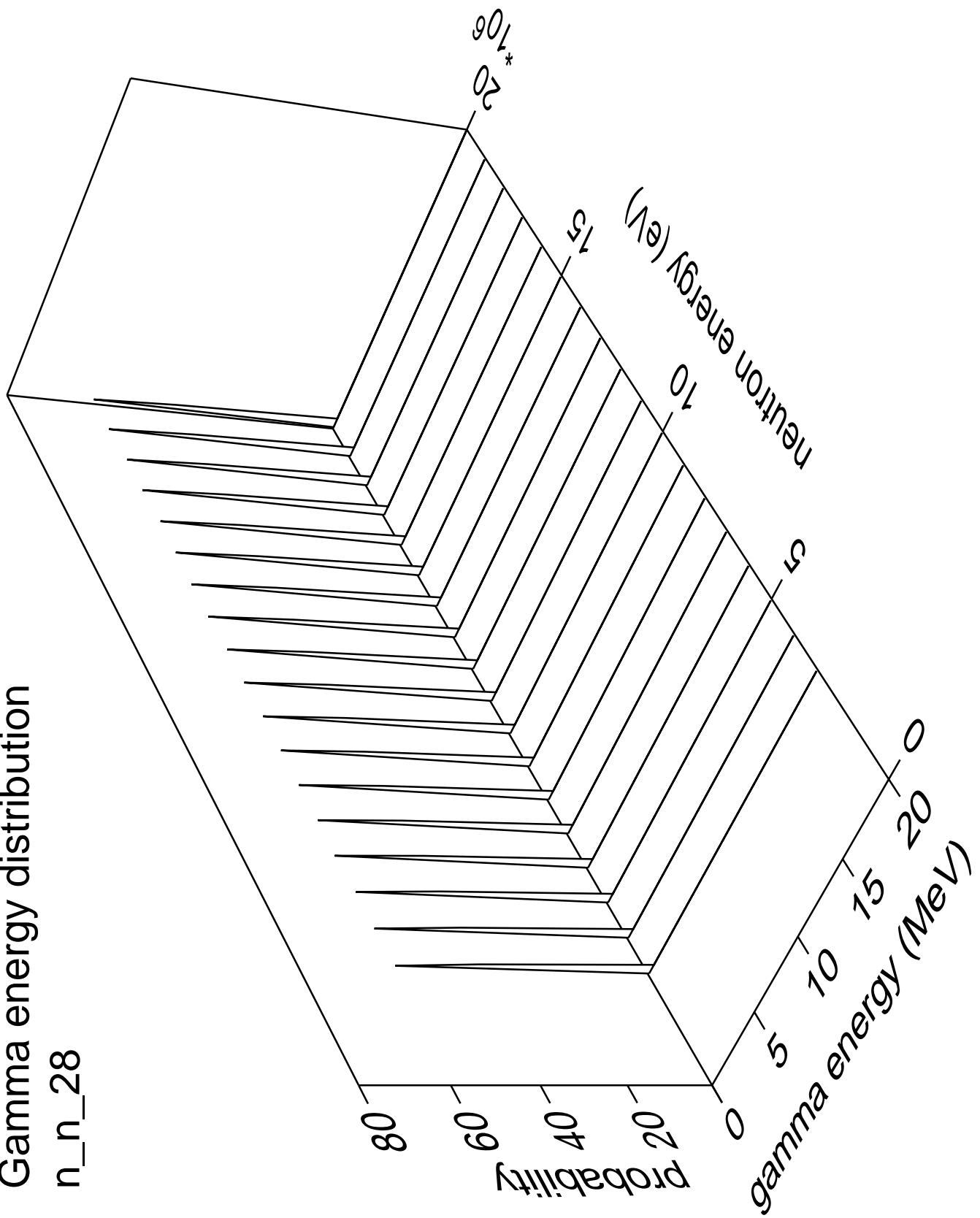
n\_n\_27



# Gamma multiplicities distribution n\_n\_27

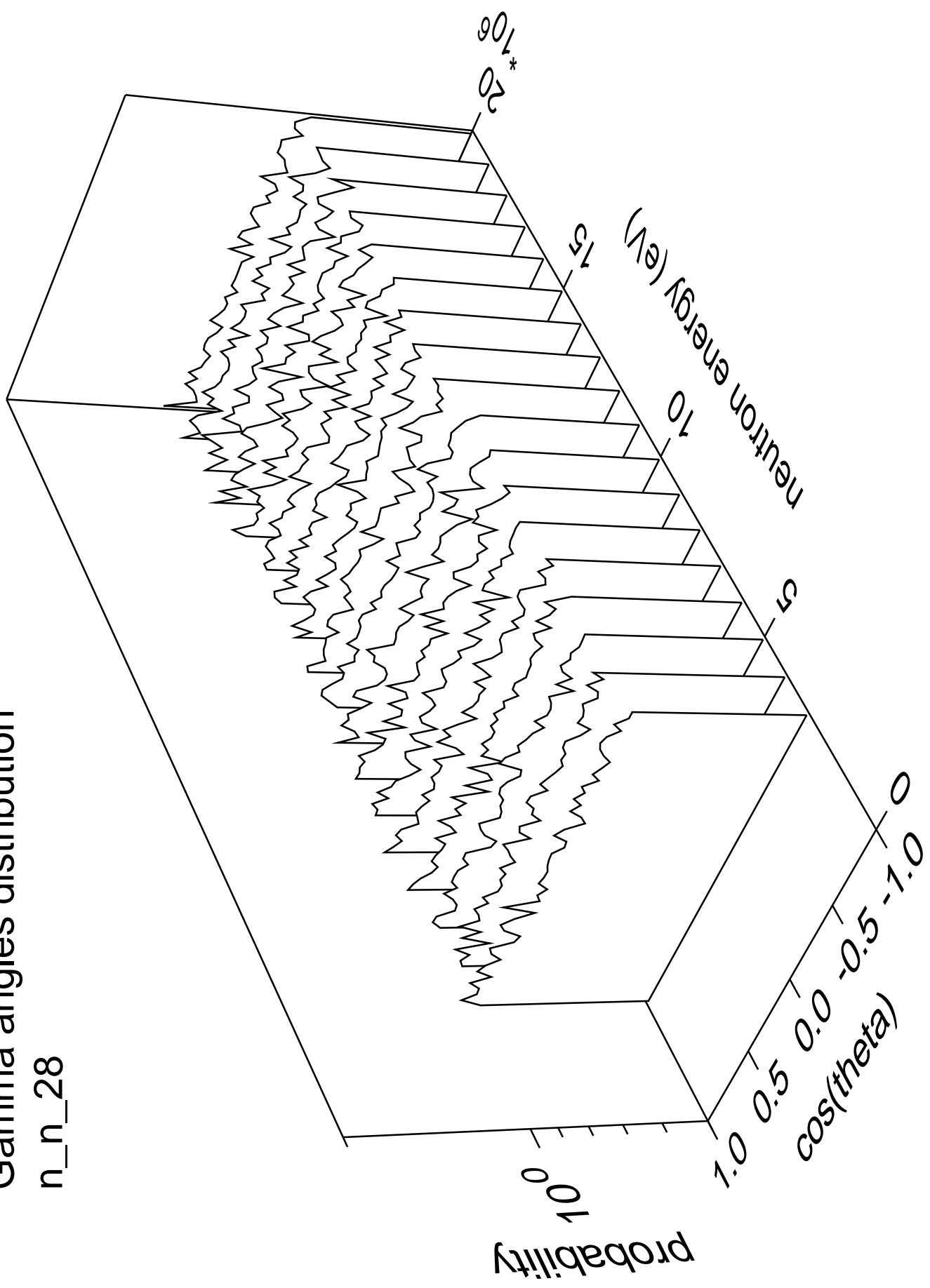


# Gamma energy distribution n\_n\_28

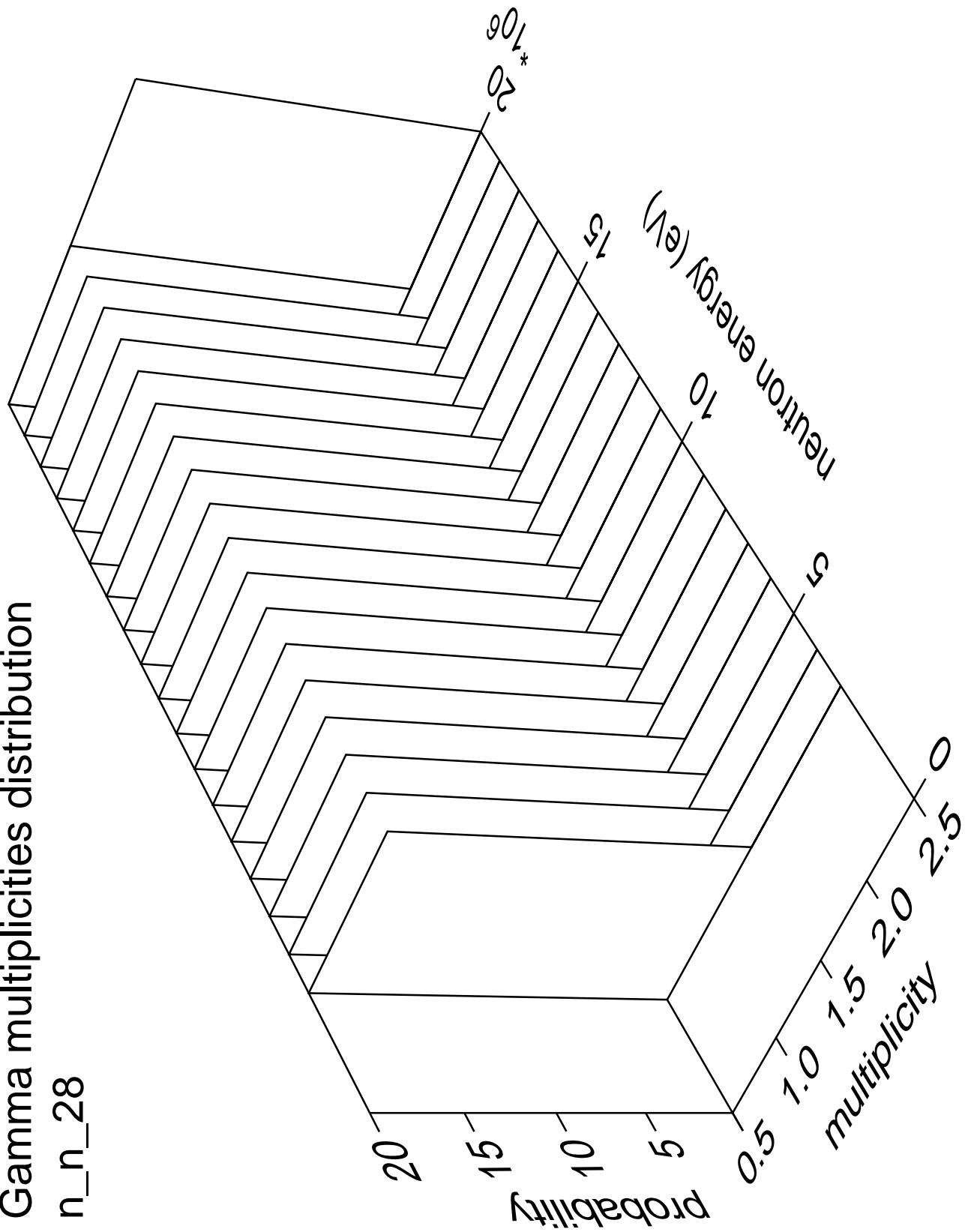


Gamma angles distribution

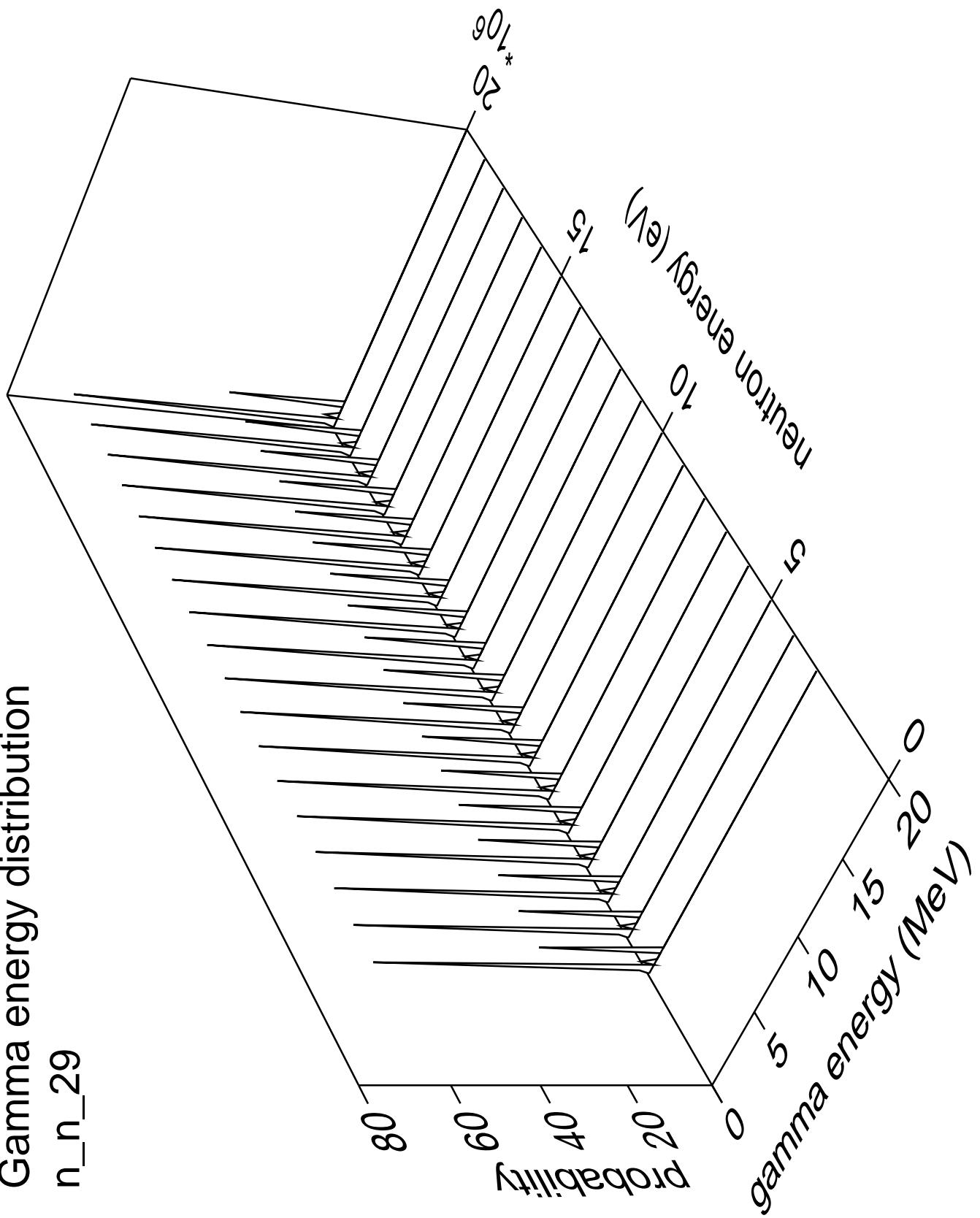
n\_n\_28



# Gamma multiplicities distribution

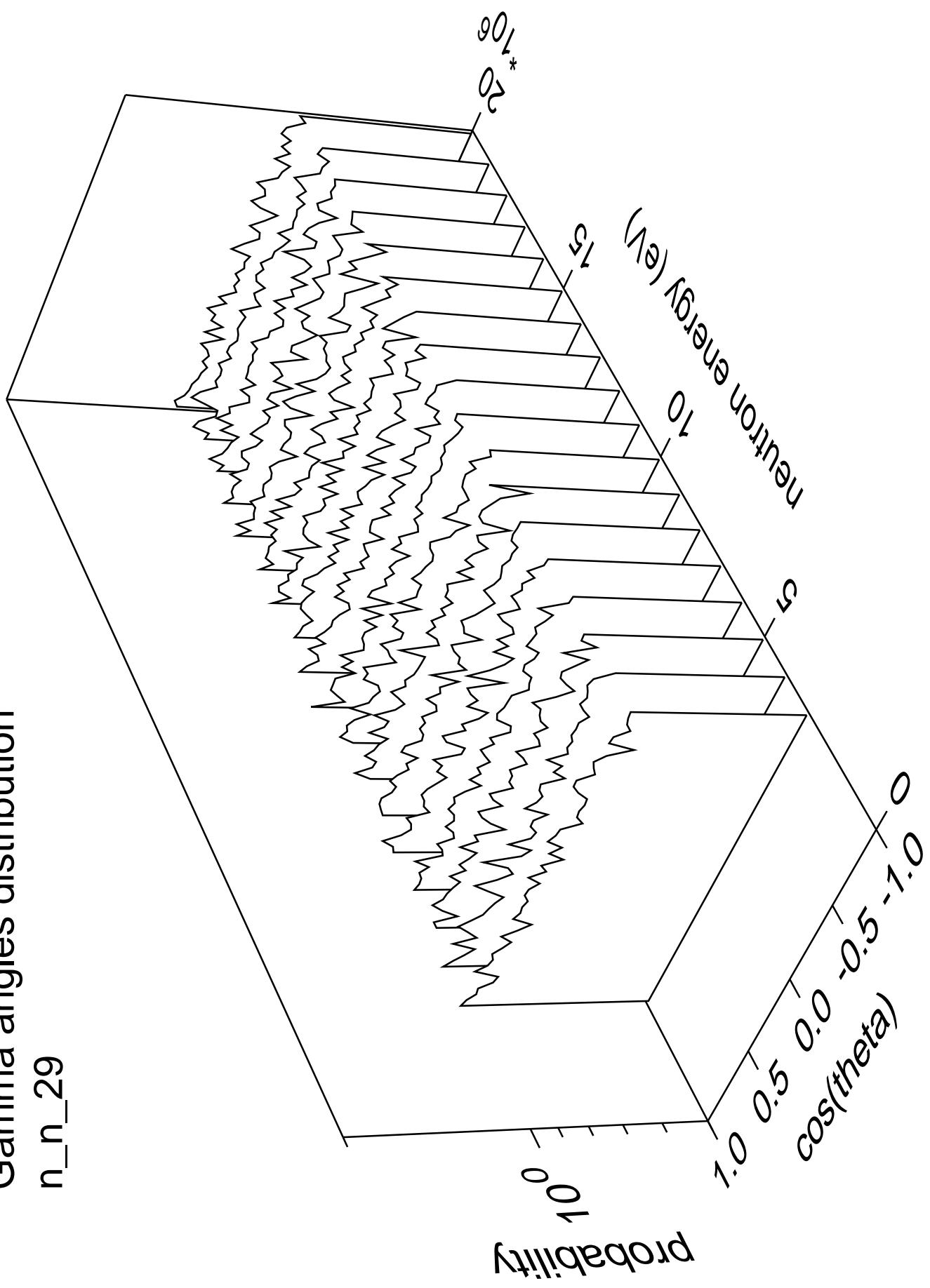


# Gamma energy distribution n\_n\_29

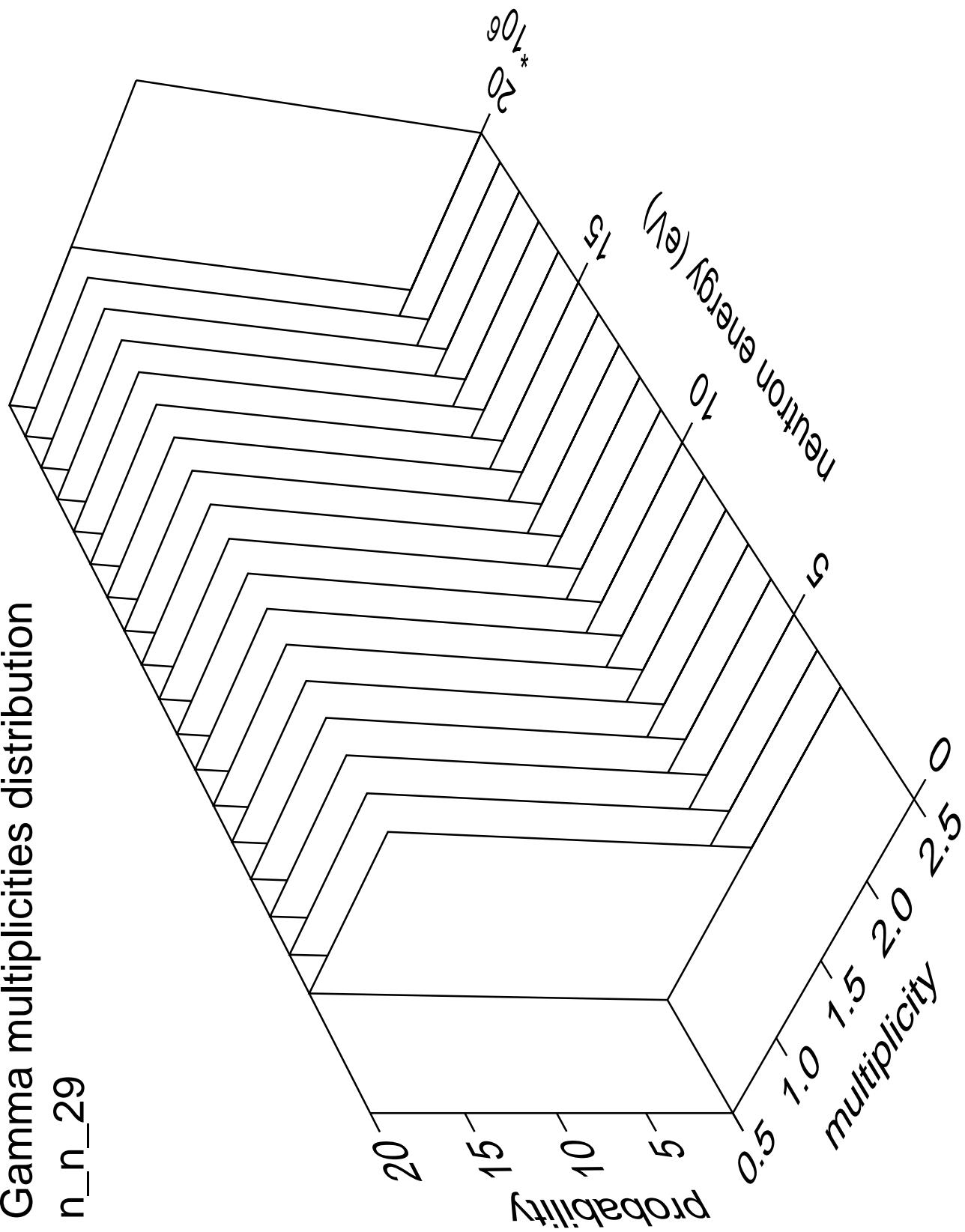


Gamma angles distribution

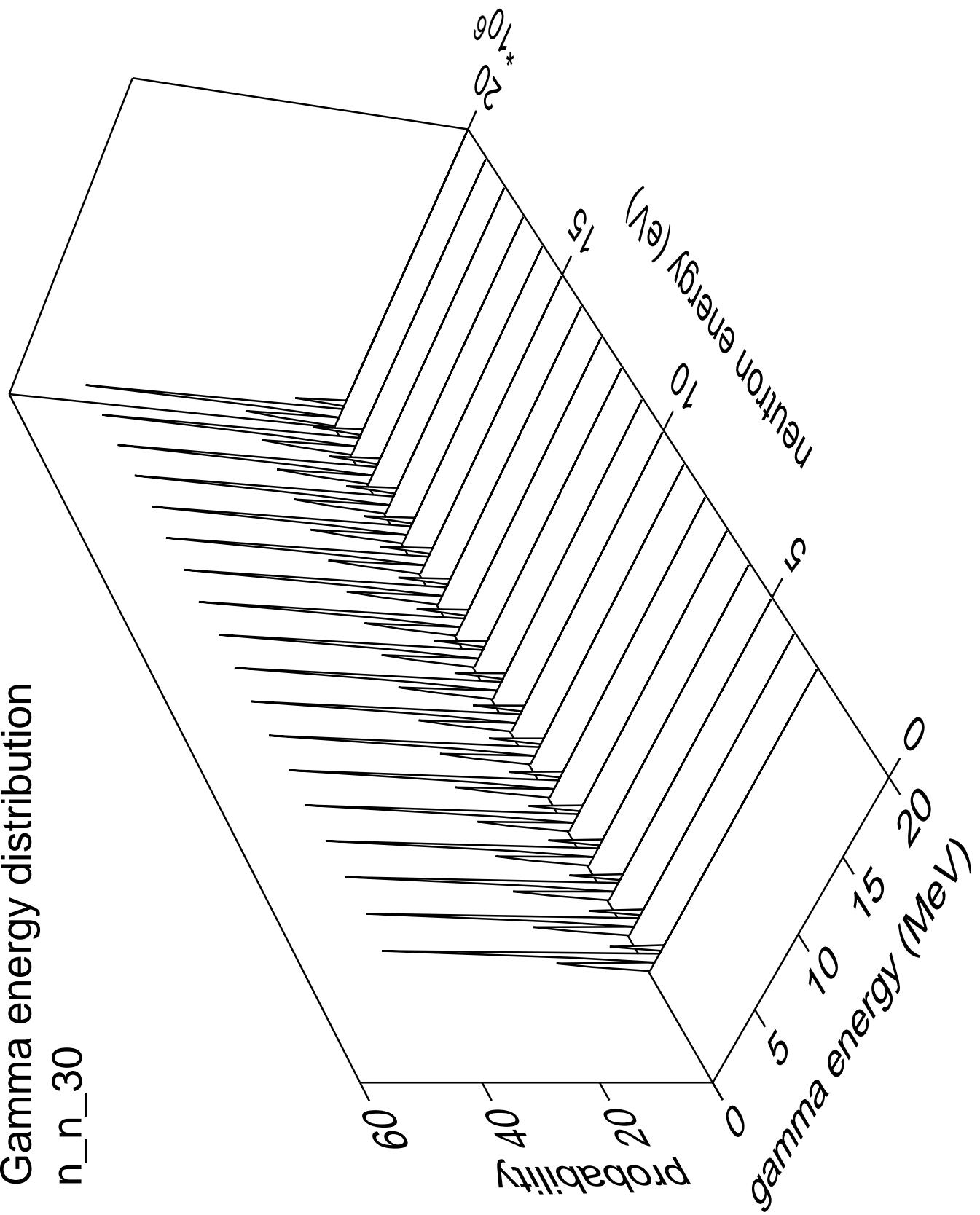
n\_n\_29



# Gamma multiplicities distribution

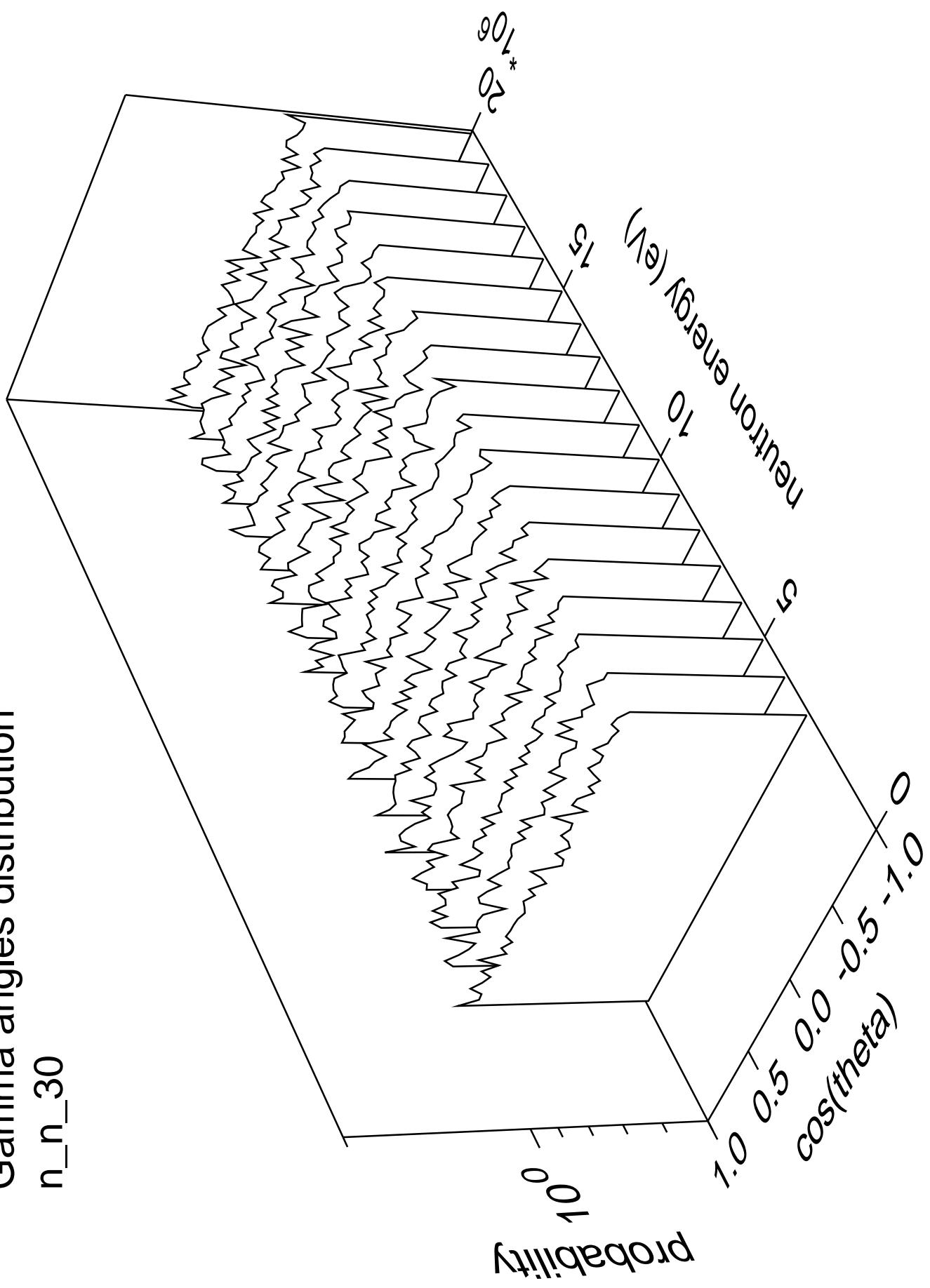


# Gamma energy distribution

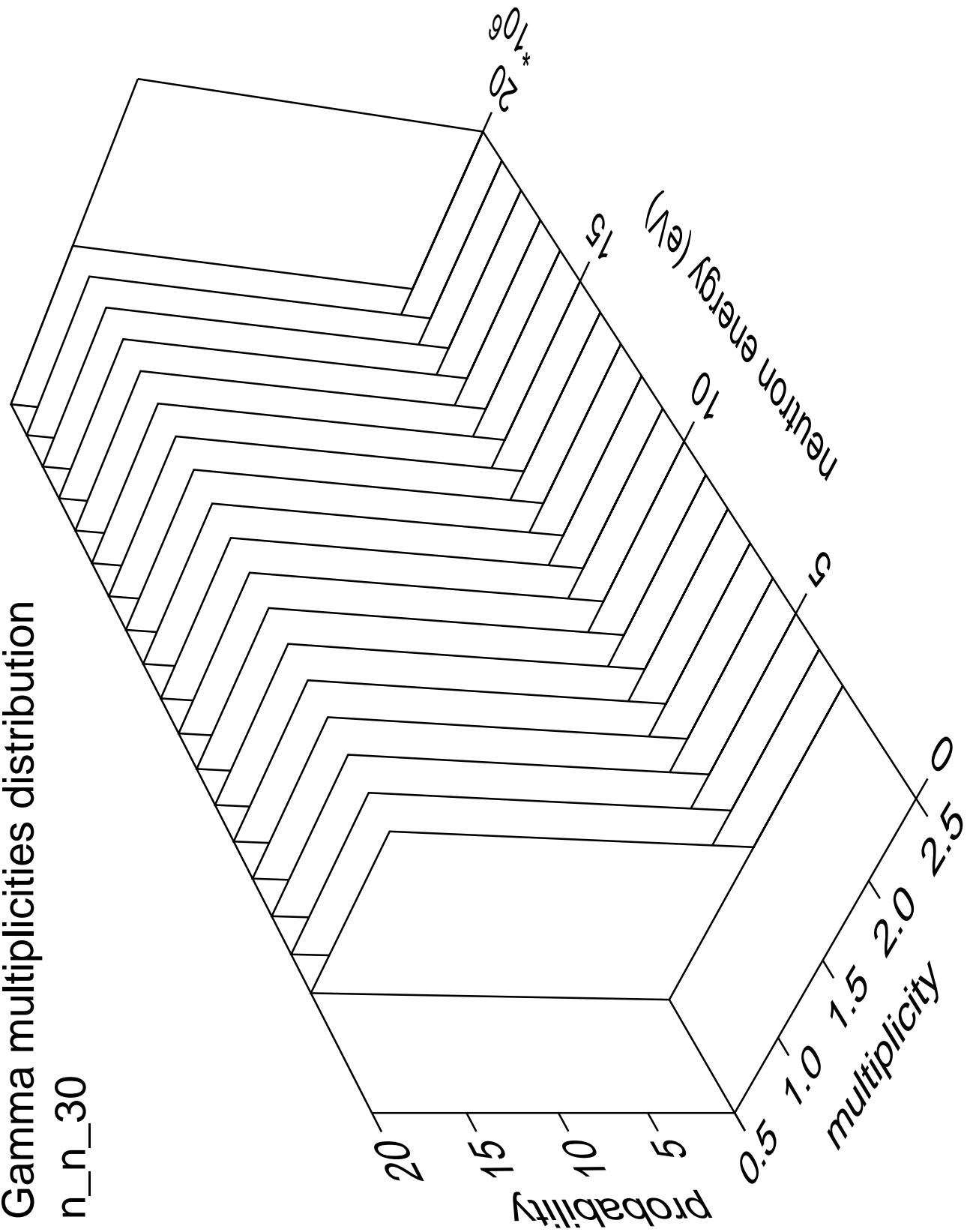


Gamma angles distribution

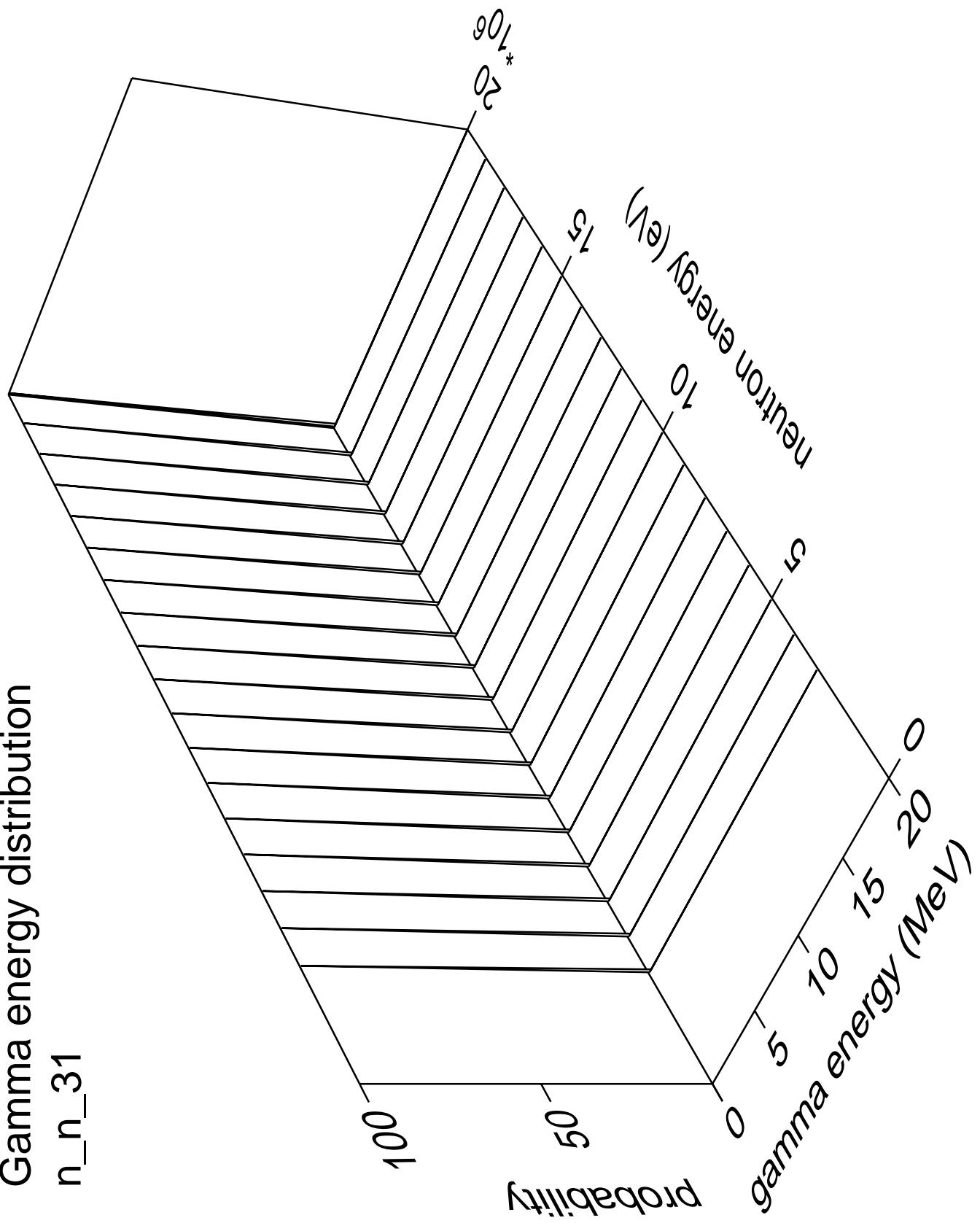
n\_n\_30



# Gamma multiplicities distribution

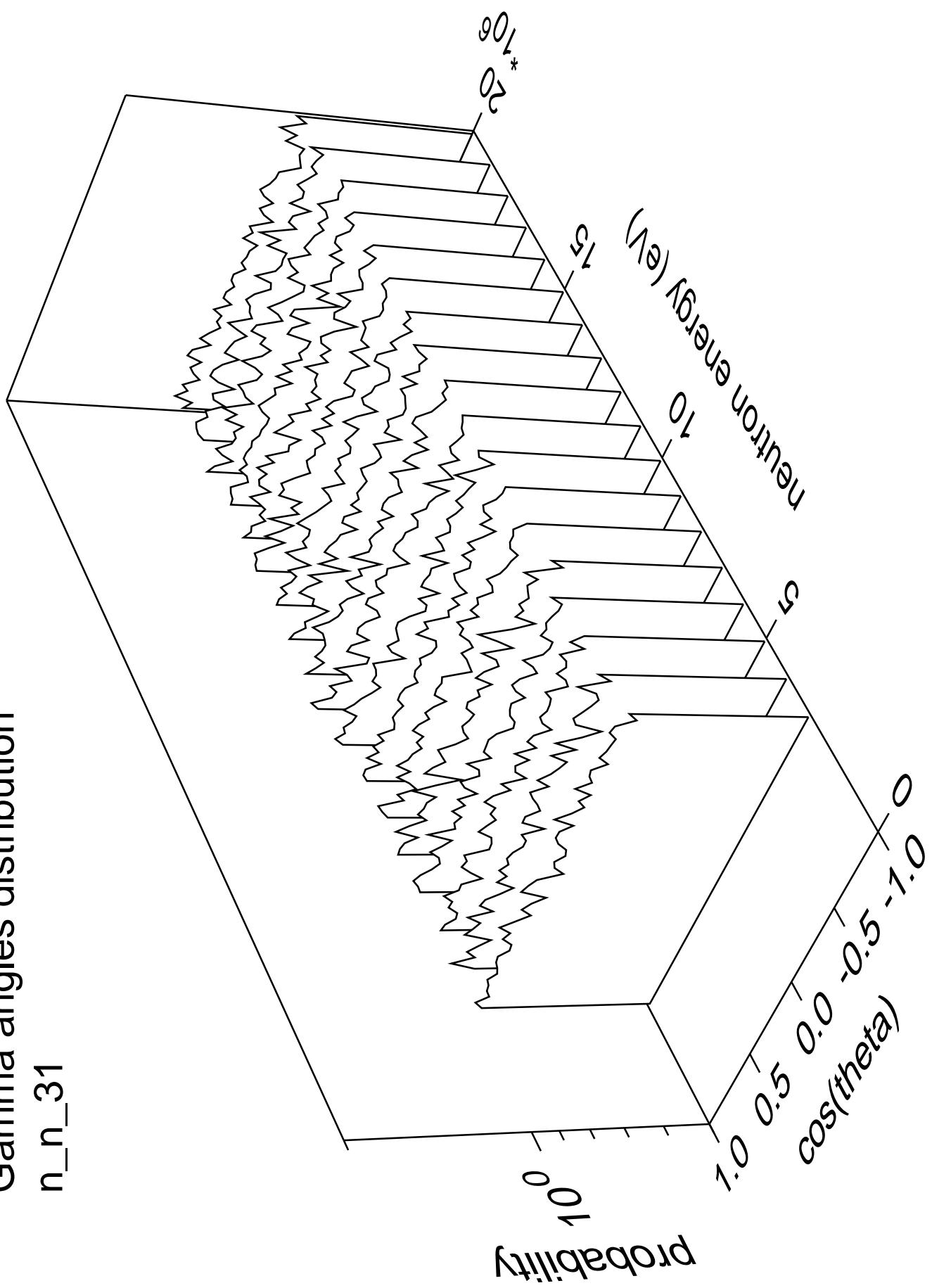


# Gamma energy distribution

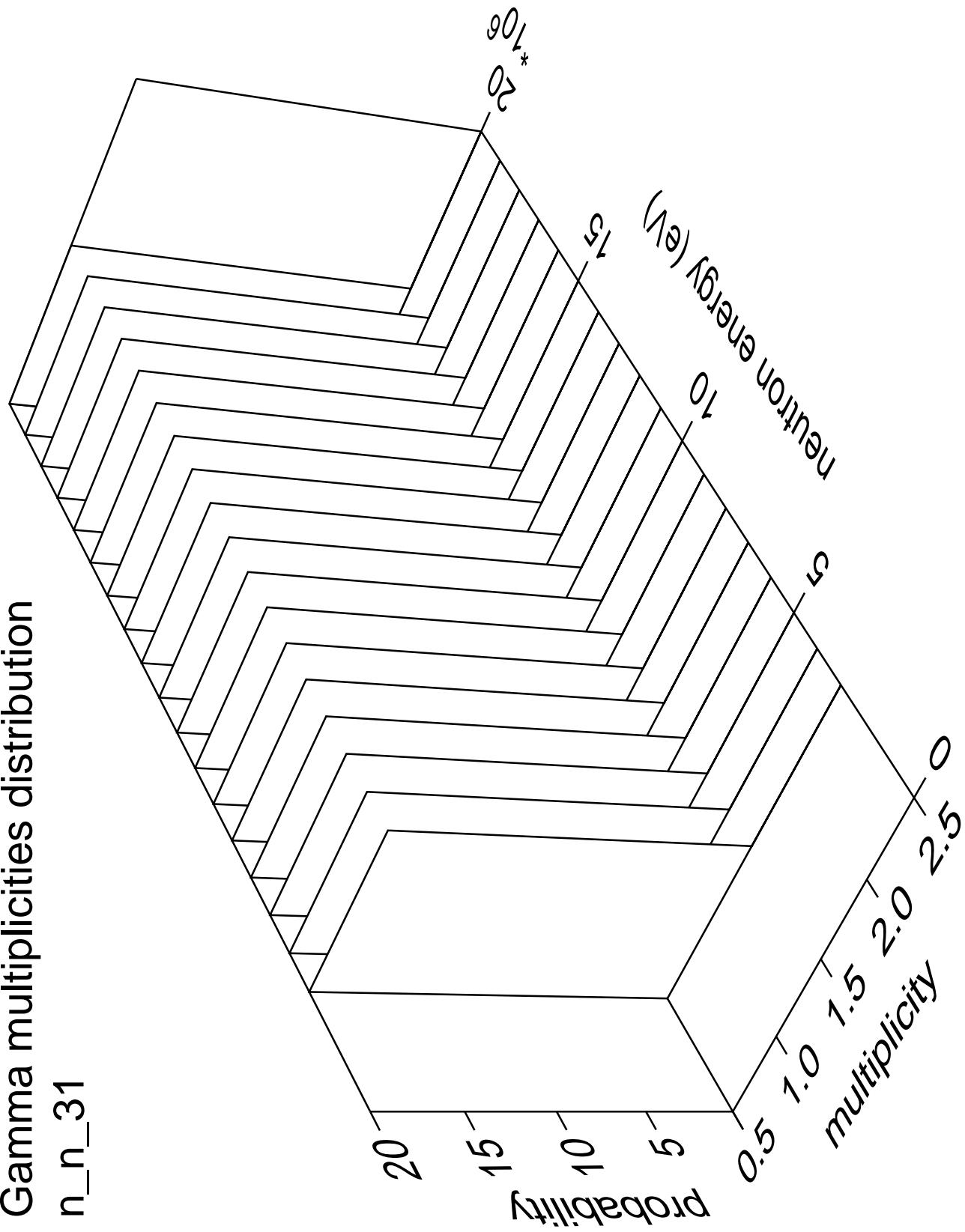


Gamma angles distribution

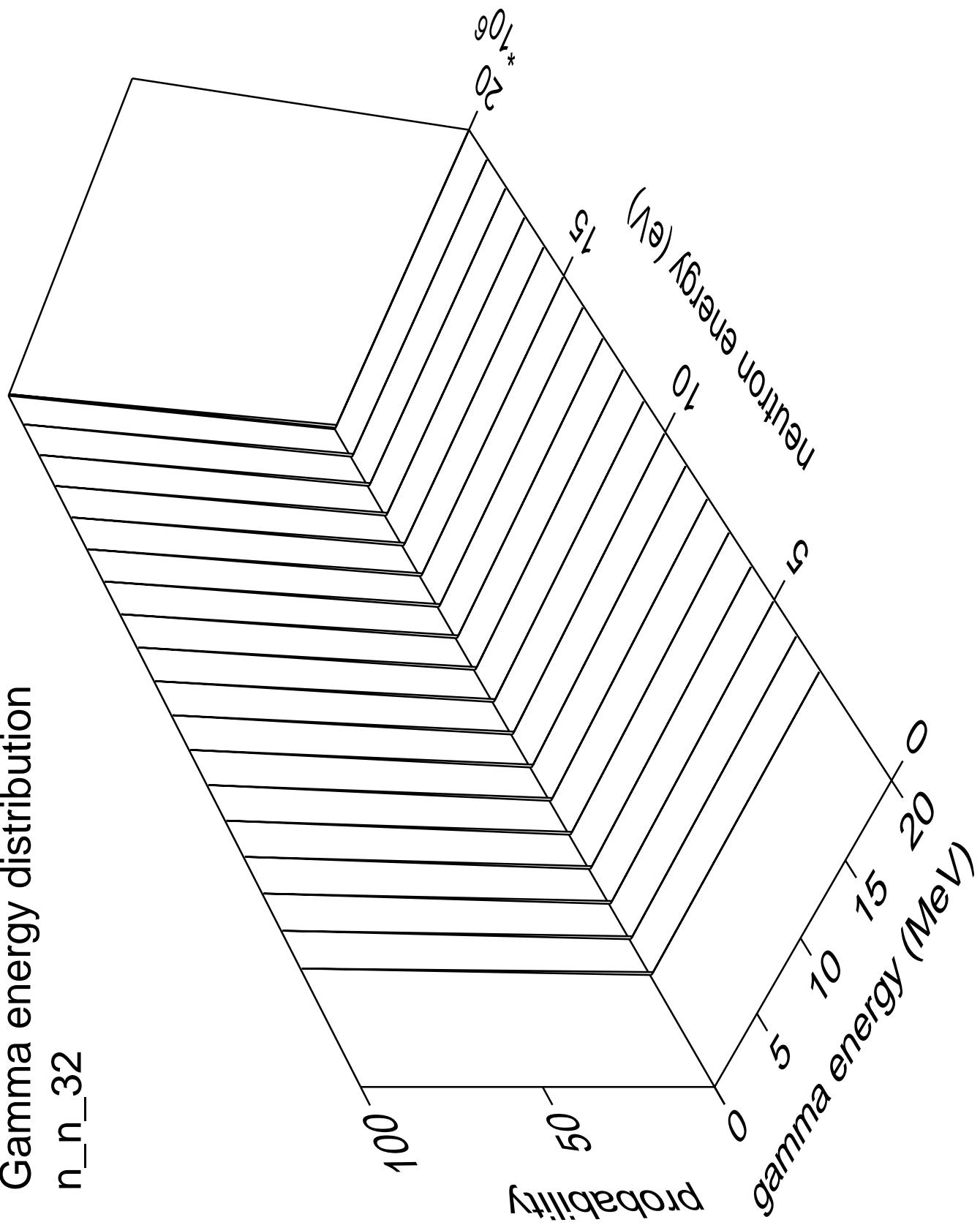
n\_n\_31



# Gamma multiplicities distribution

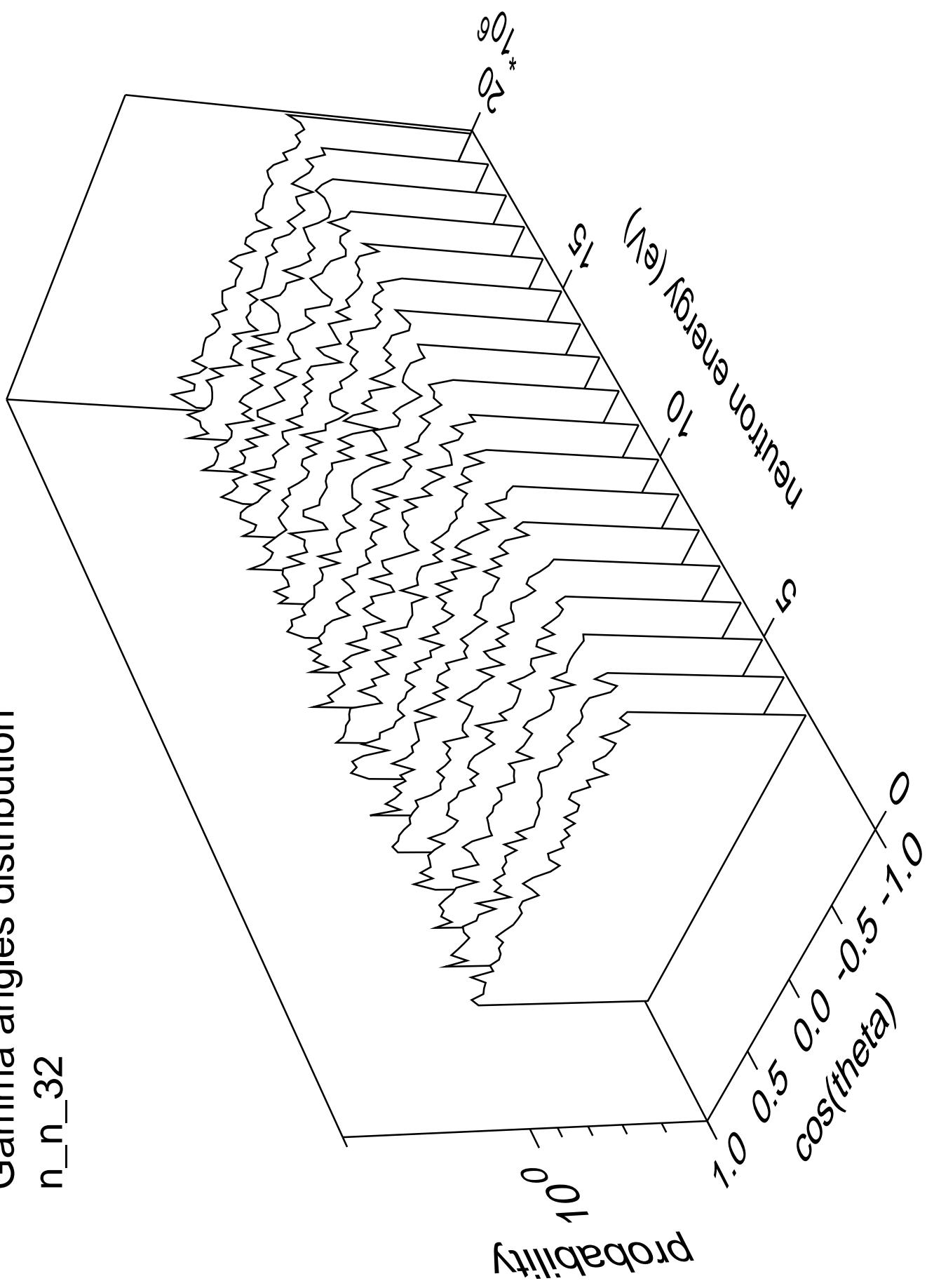


# Gamma energy distribution n\_n\_32



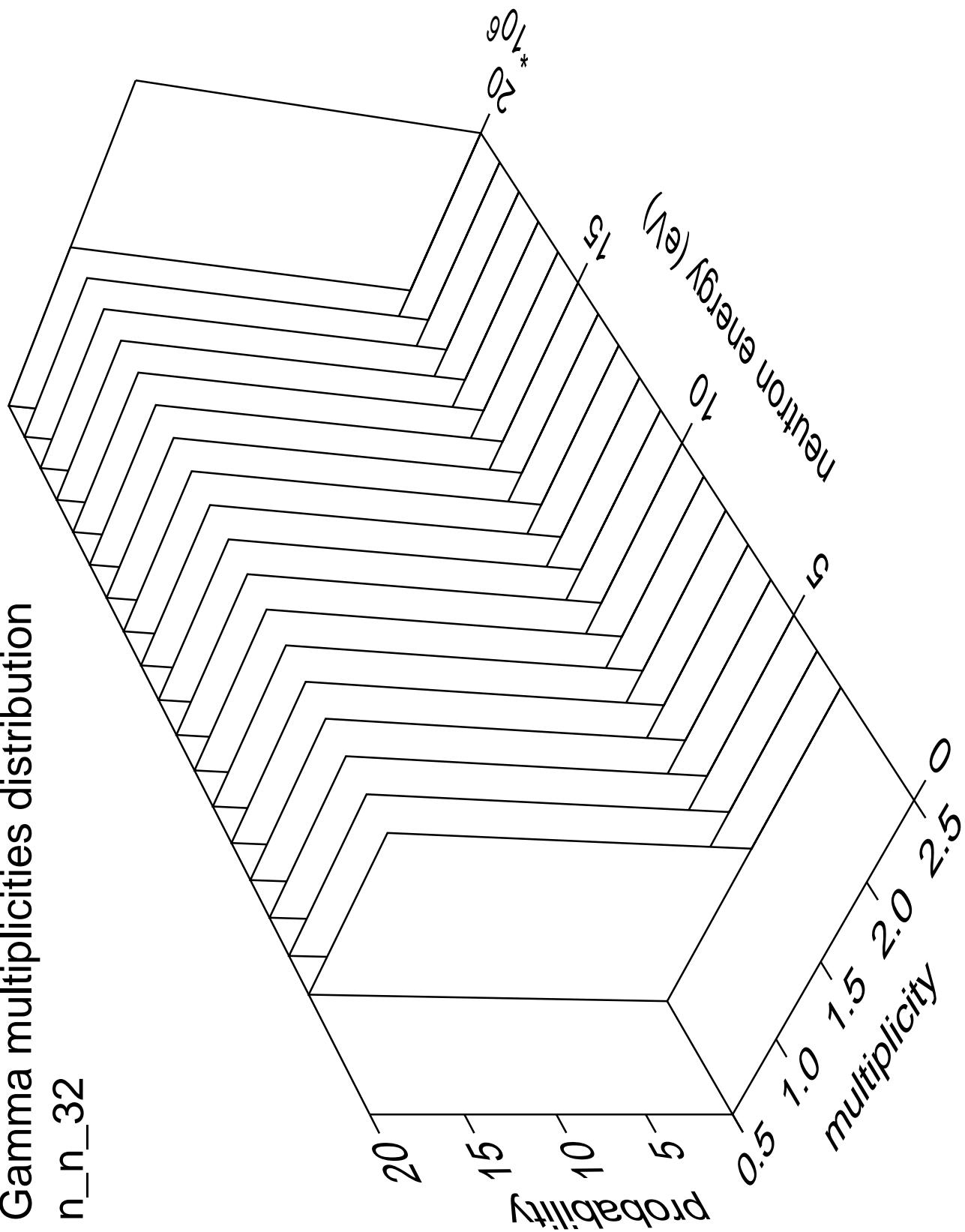
Gamma angles distribution

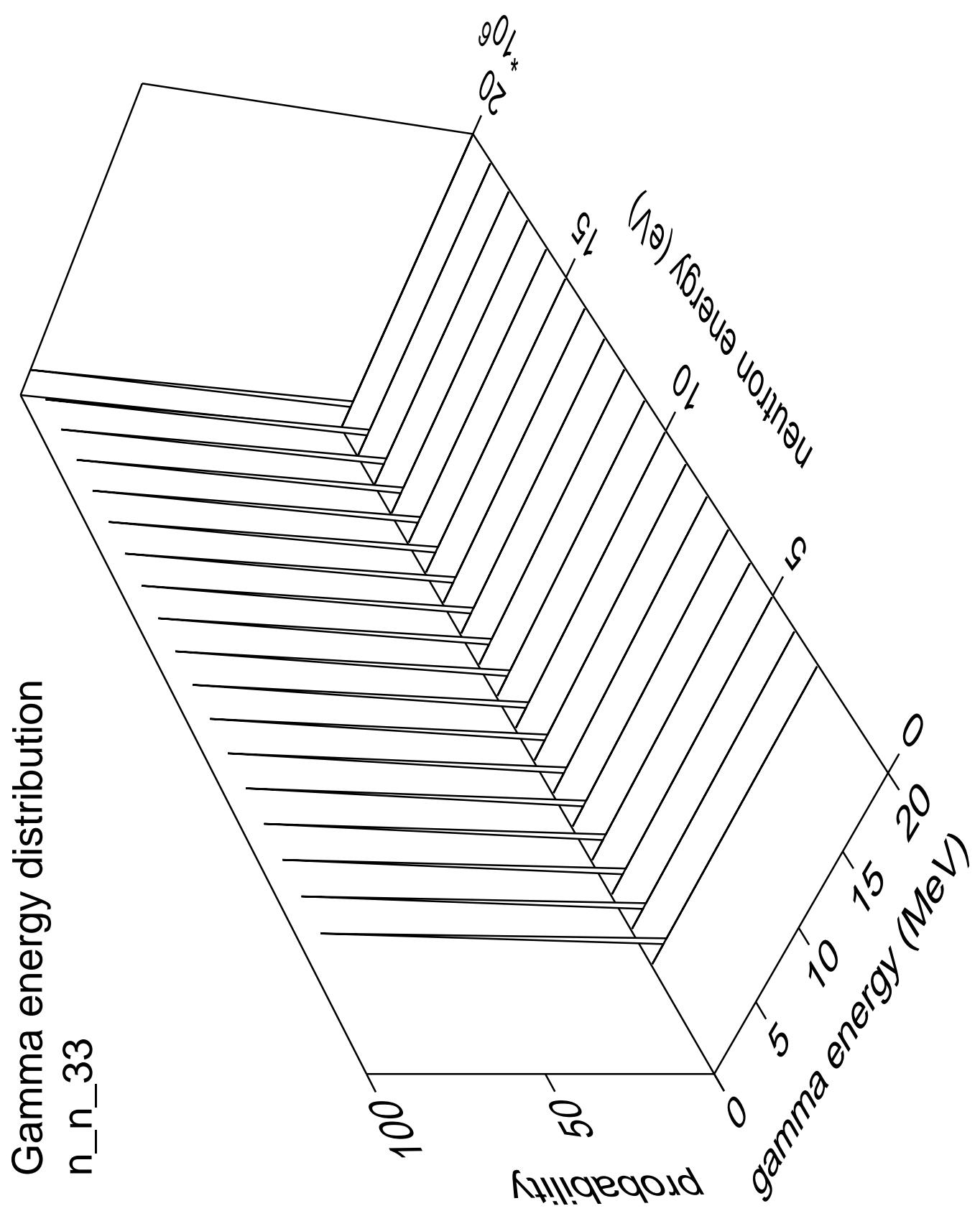
n\_n\_32



# Gamma multiplicities distribution

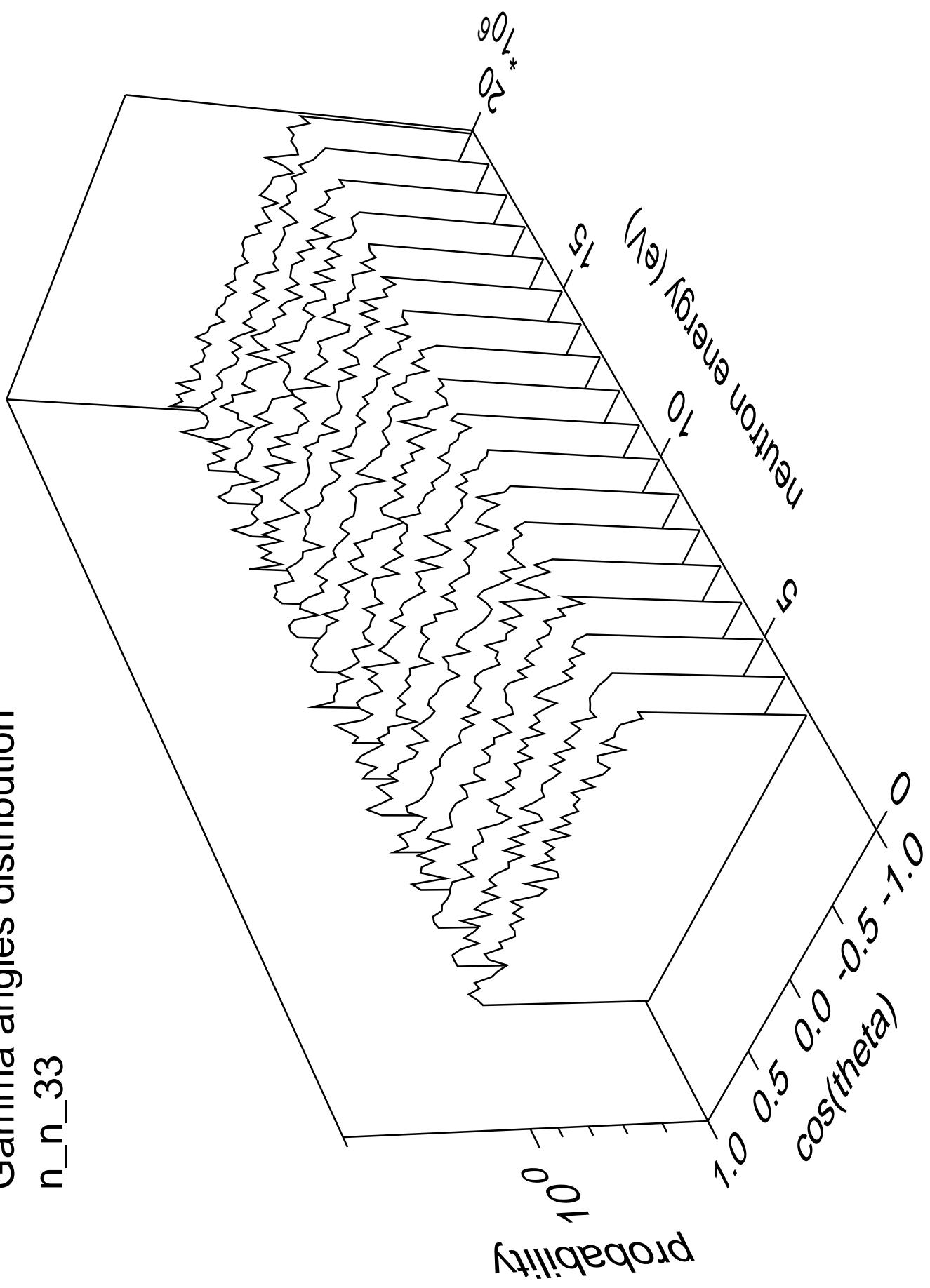
n\_n\_32



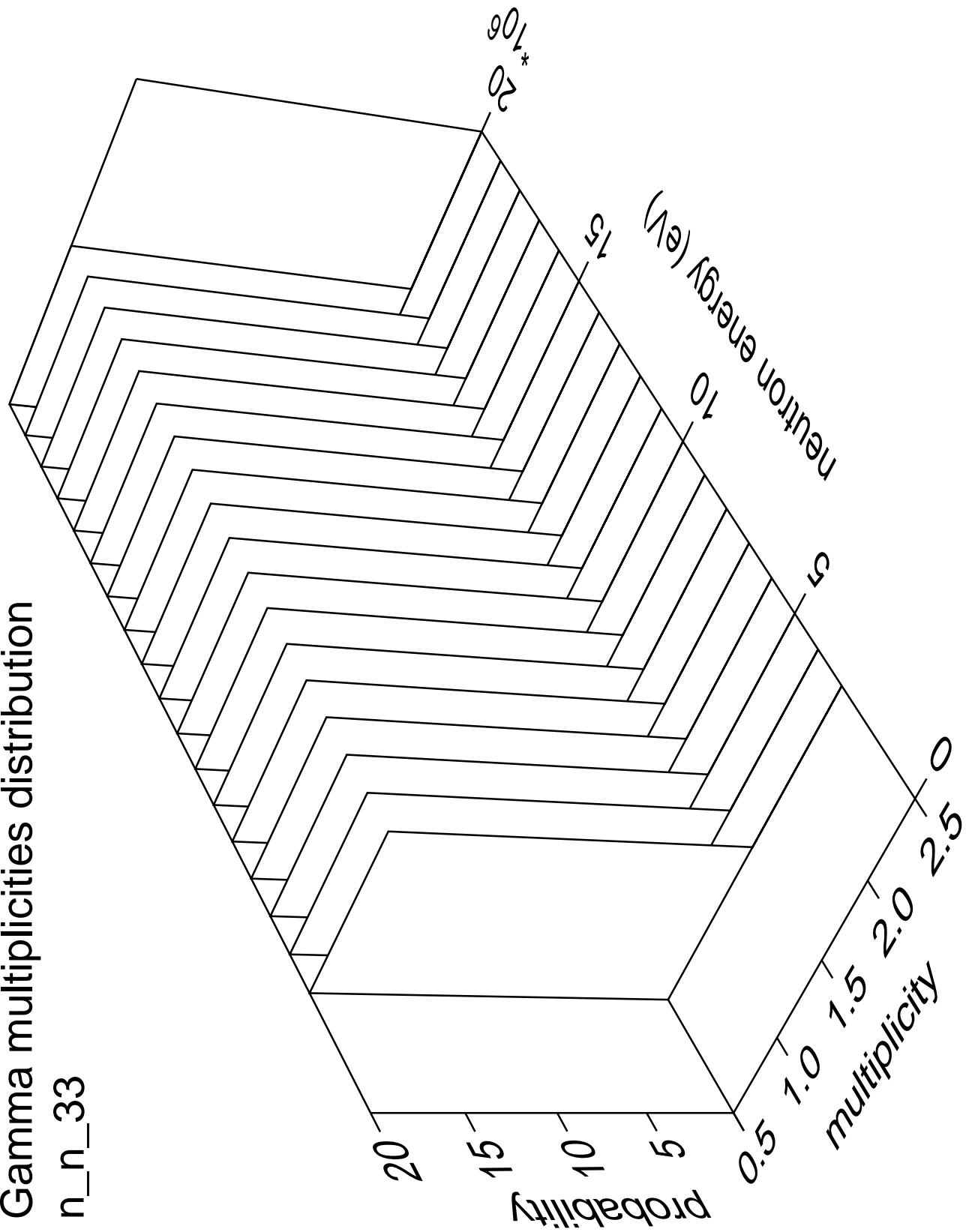


Gamma angles distribution

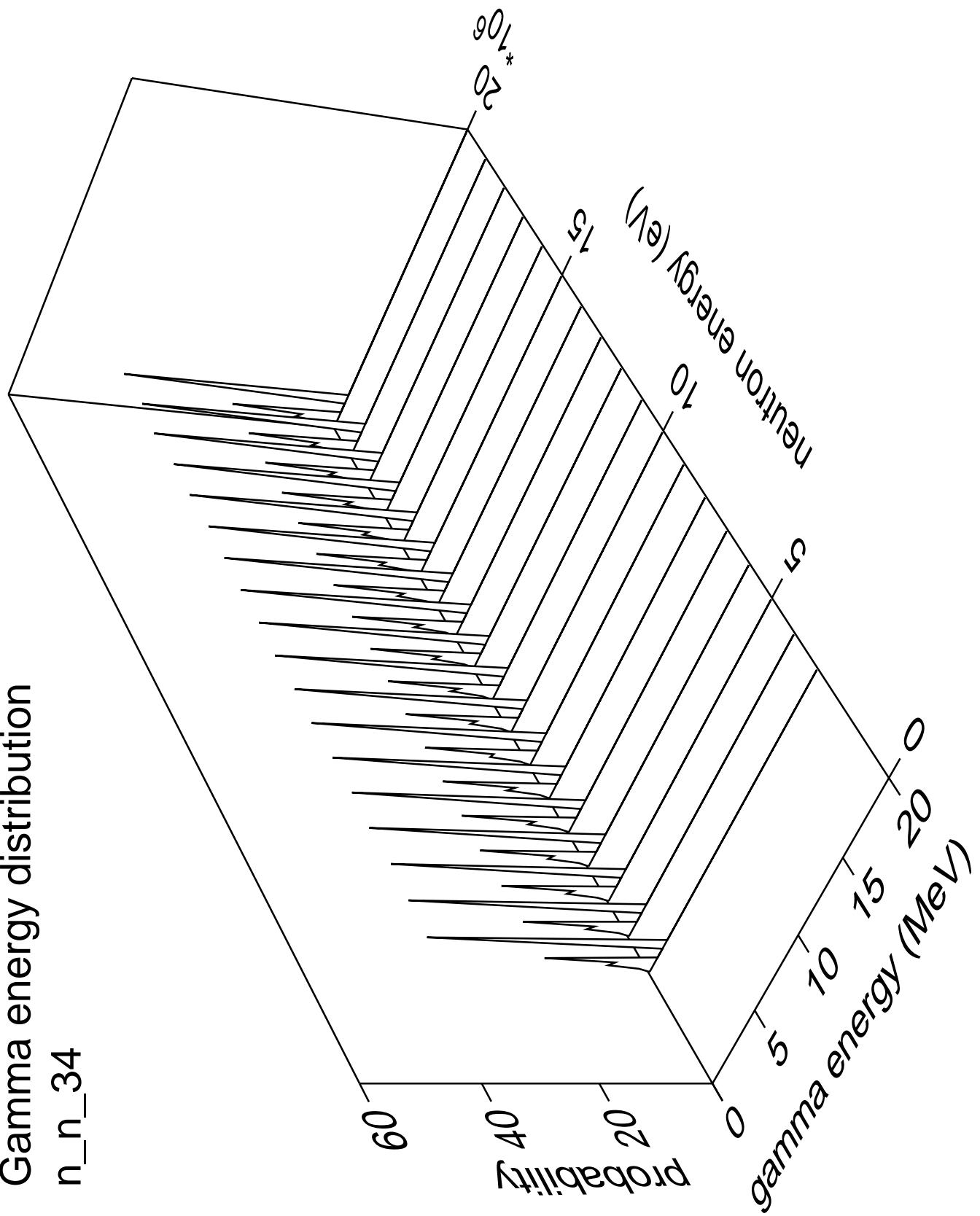
n\_n\_33



# Gamma multiplicities distribution

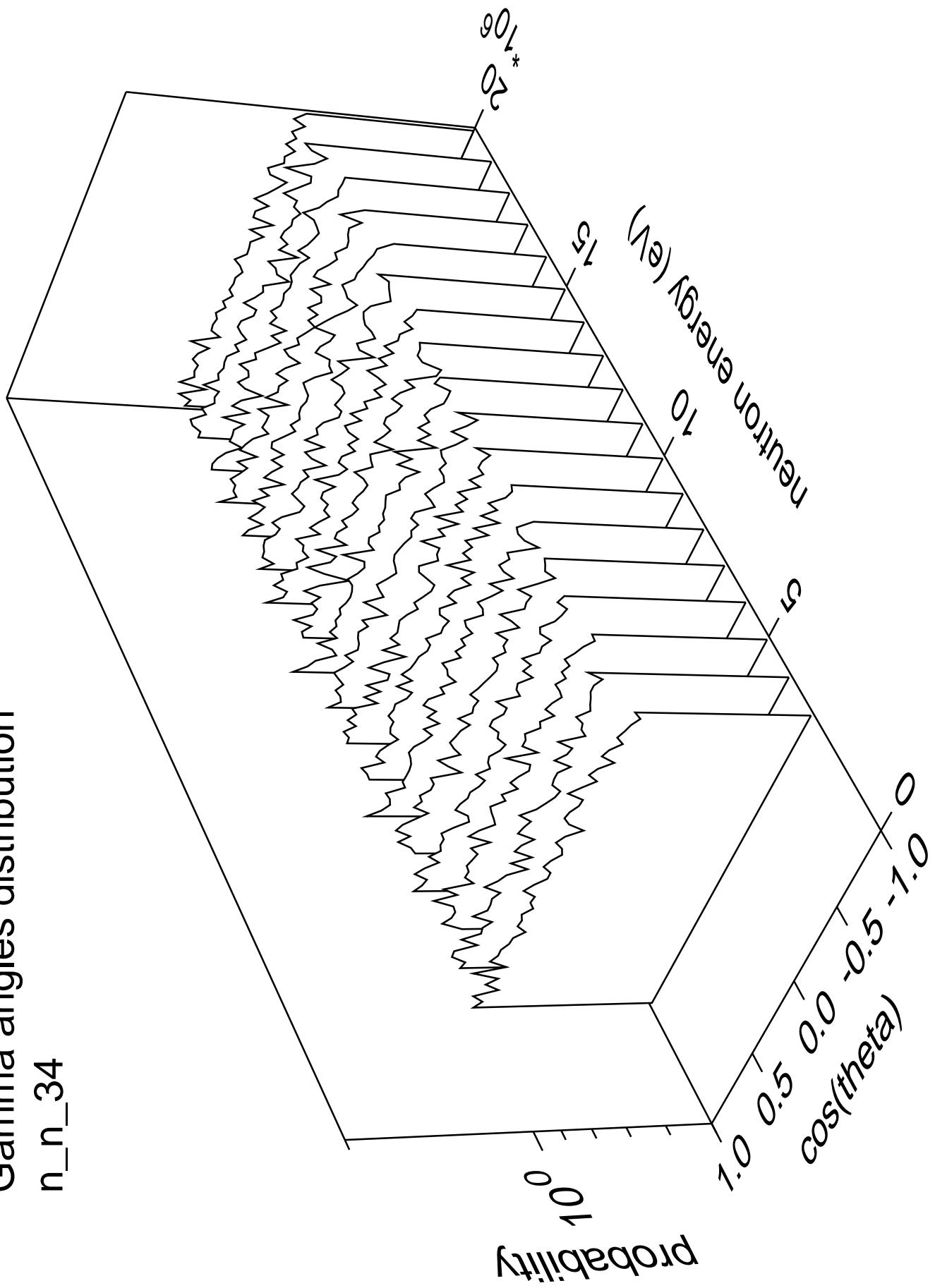


# Gamma energy distribution n\_n\_34

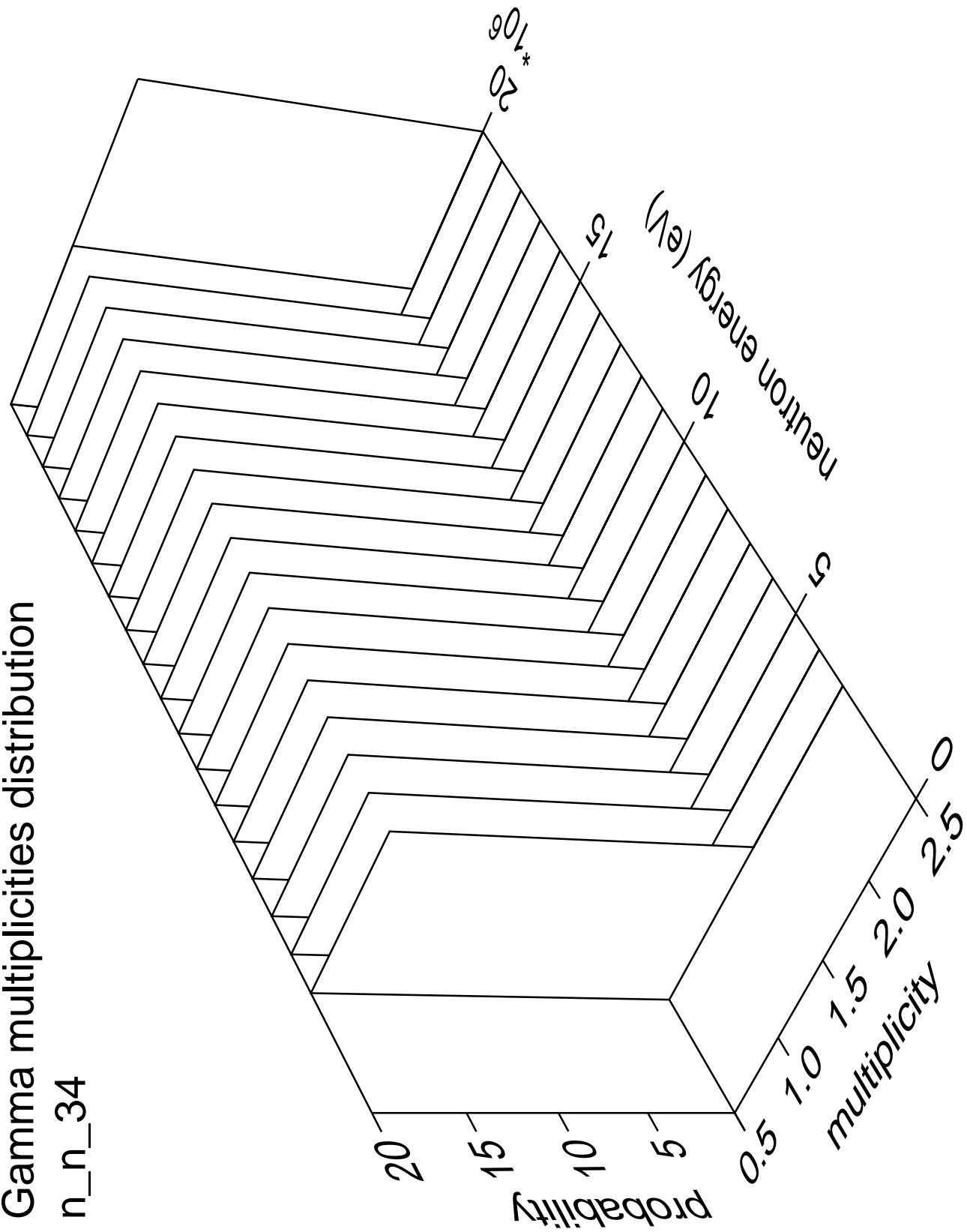


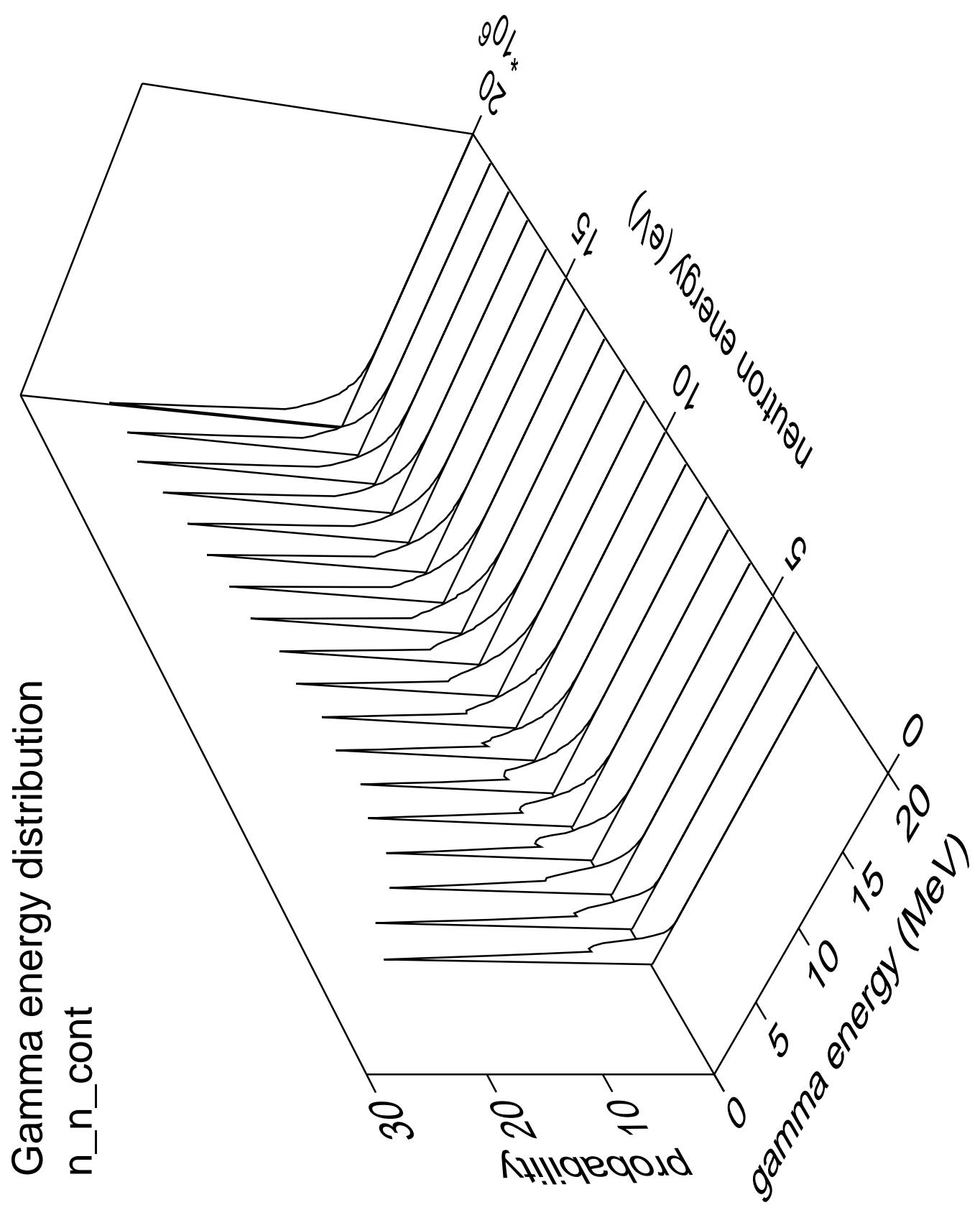
# Gamma angles distribution

n\_n\_34



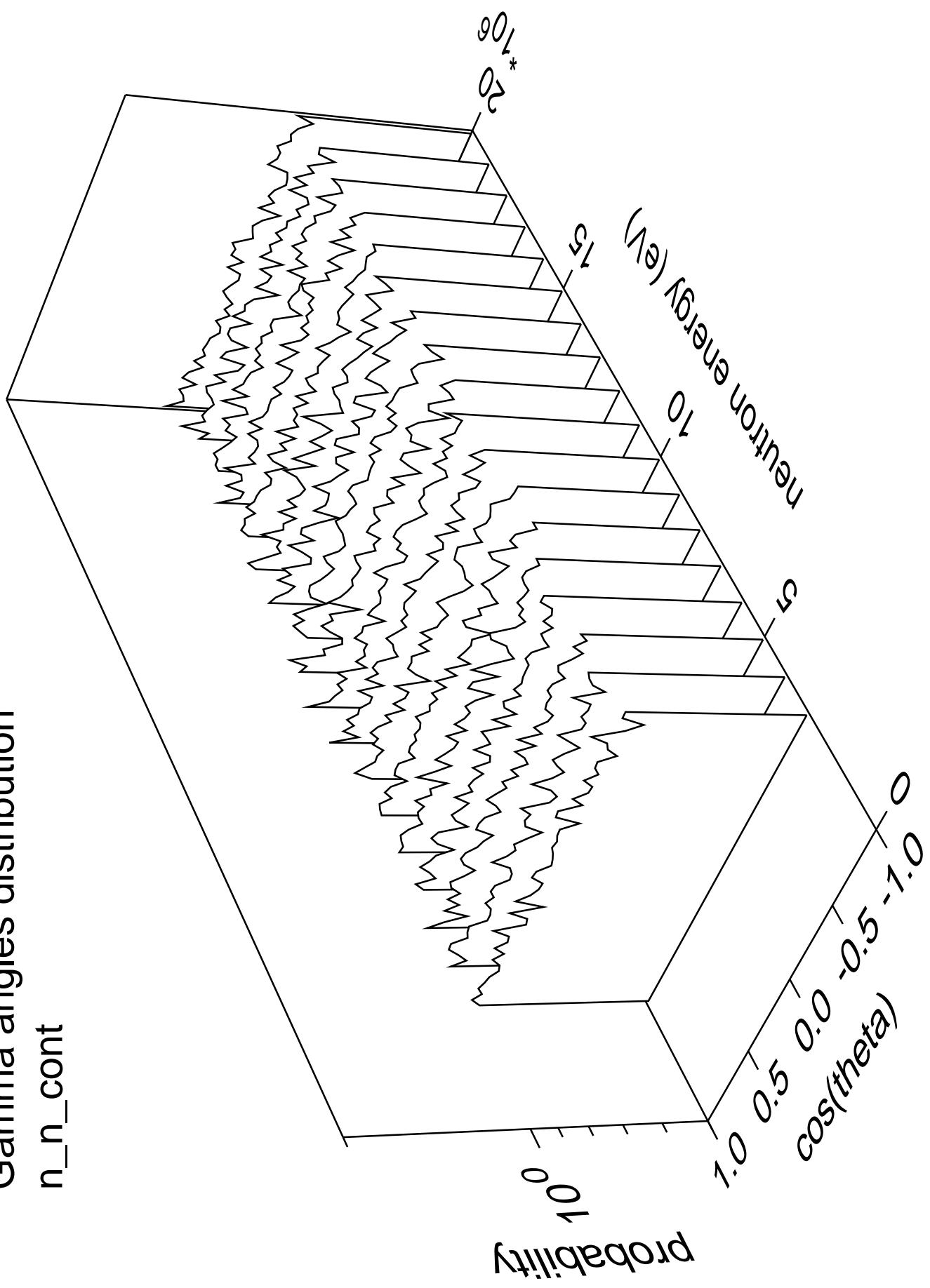
# Gamma multiplicities distribution

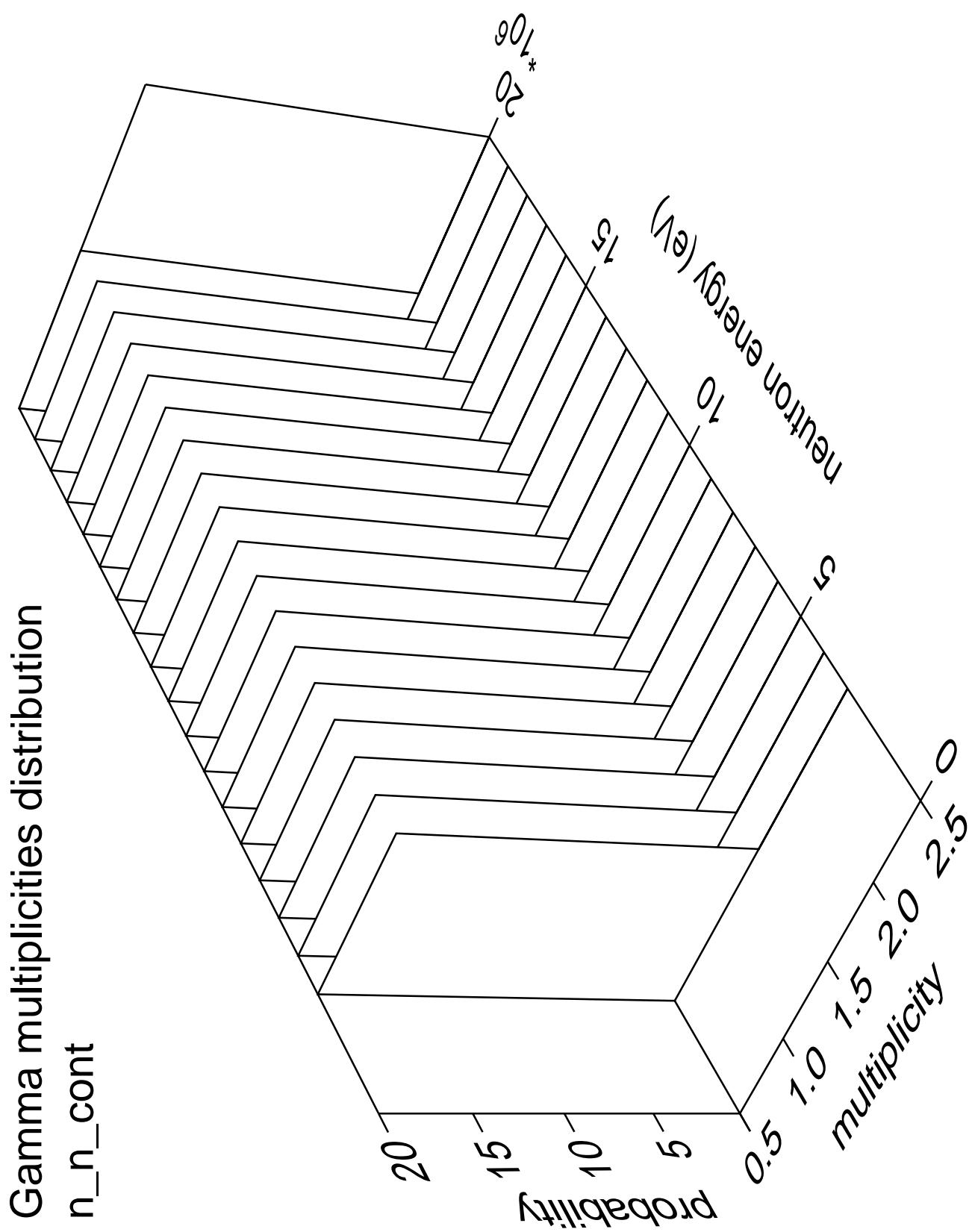


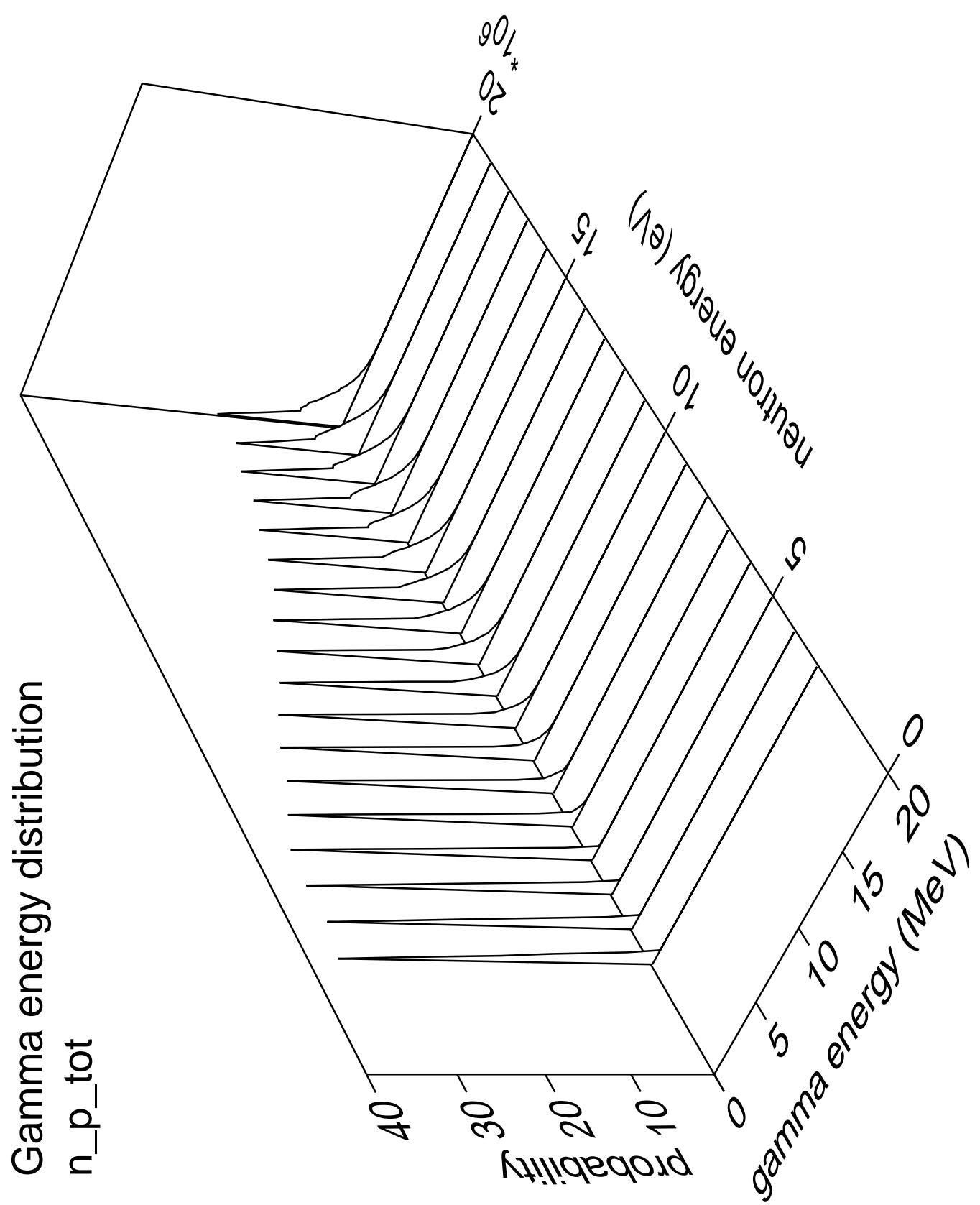


Gamma angles distribution

n\_n\_cont

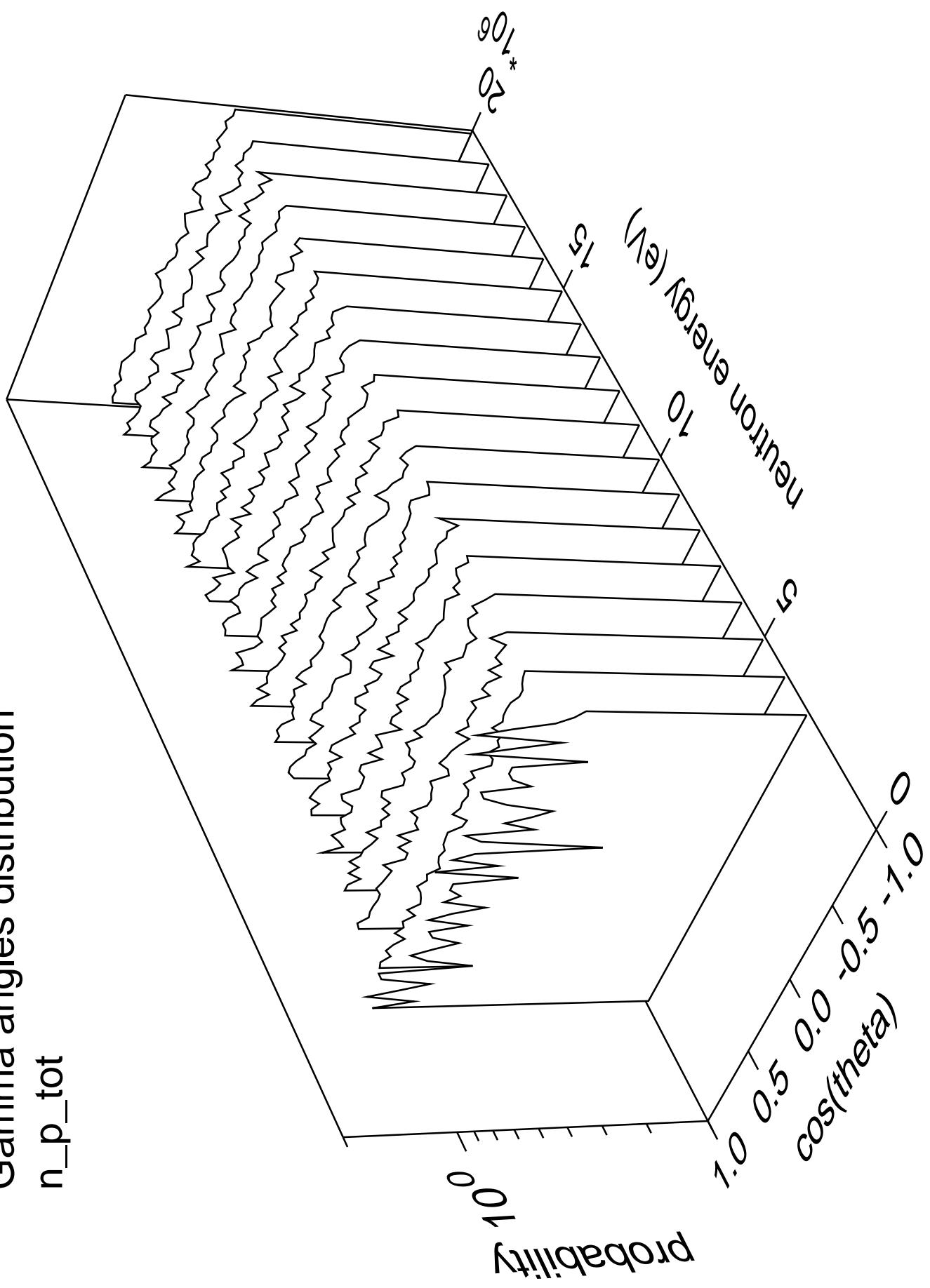


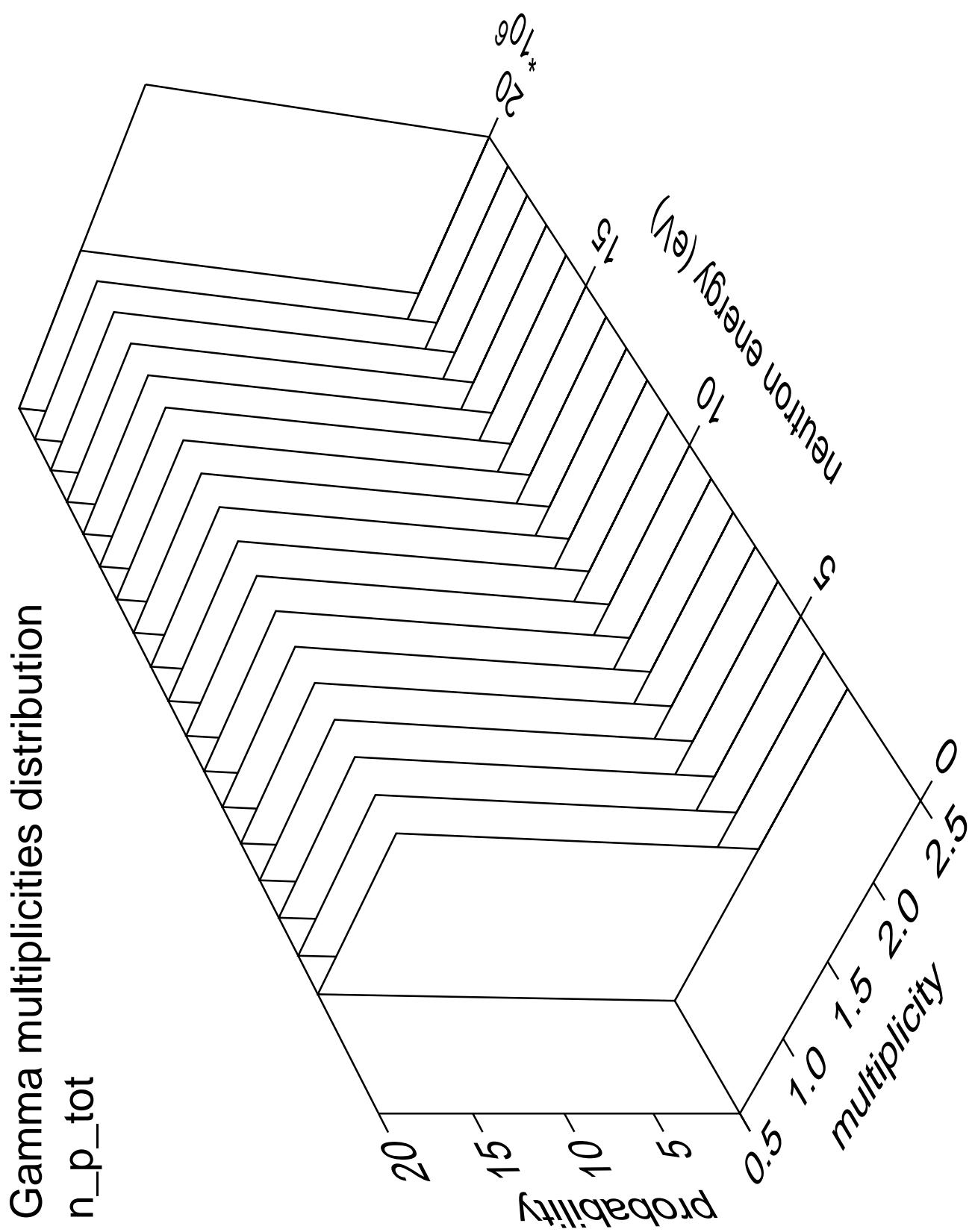


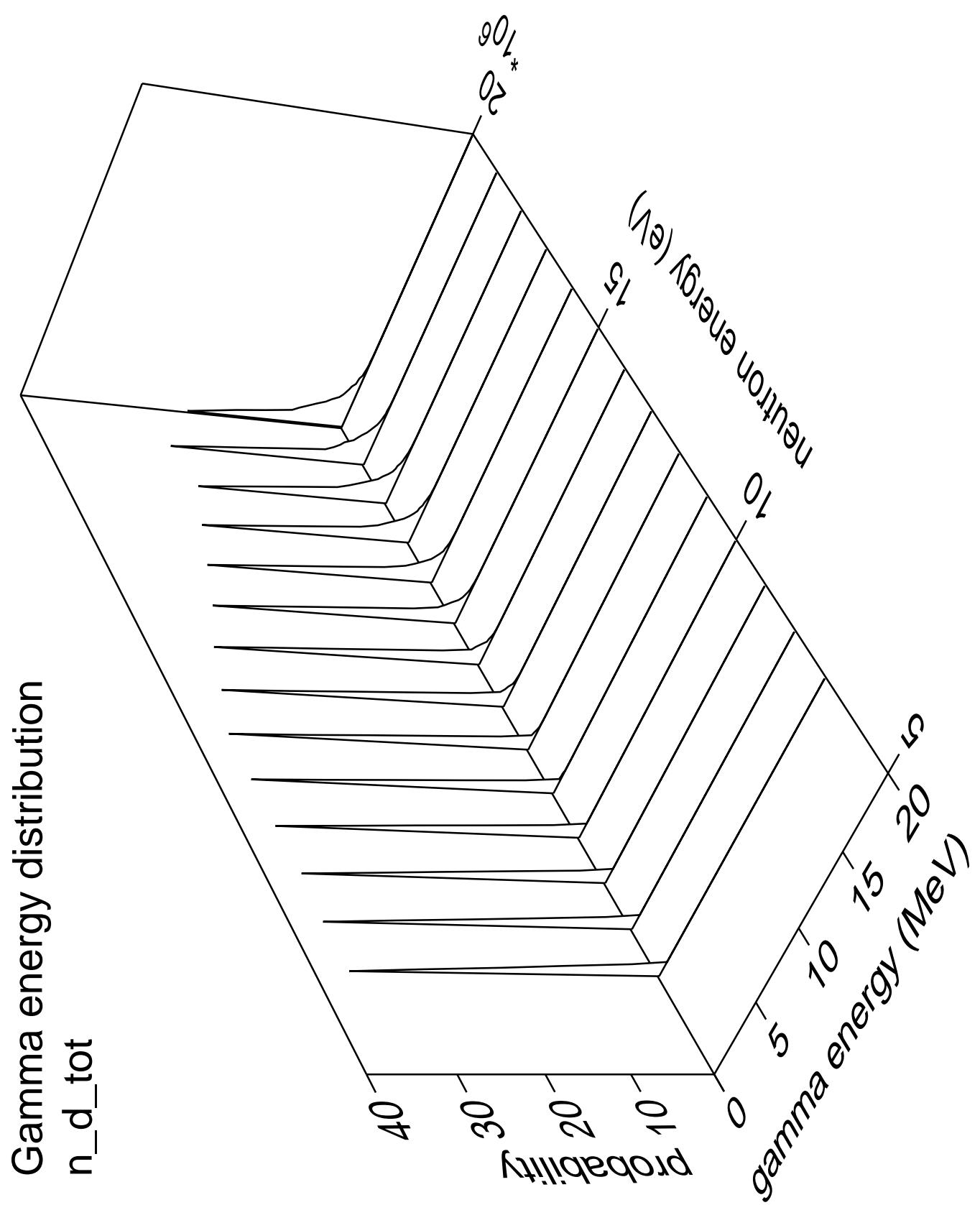


Gamma angles distribution

$n_{p\_tot}$







Gamma angles distribution

$n_d_{tot}$

Probability

$10^0$

$10^2$

$10^4$

$10^6$

$10^8$

$10^{10}$

$10^{12}$

$10^{14}$

$10^{16}$

$10^{18}$

1.0

0.5

0.0

-0.5

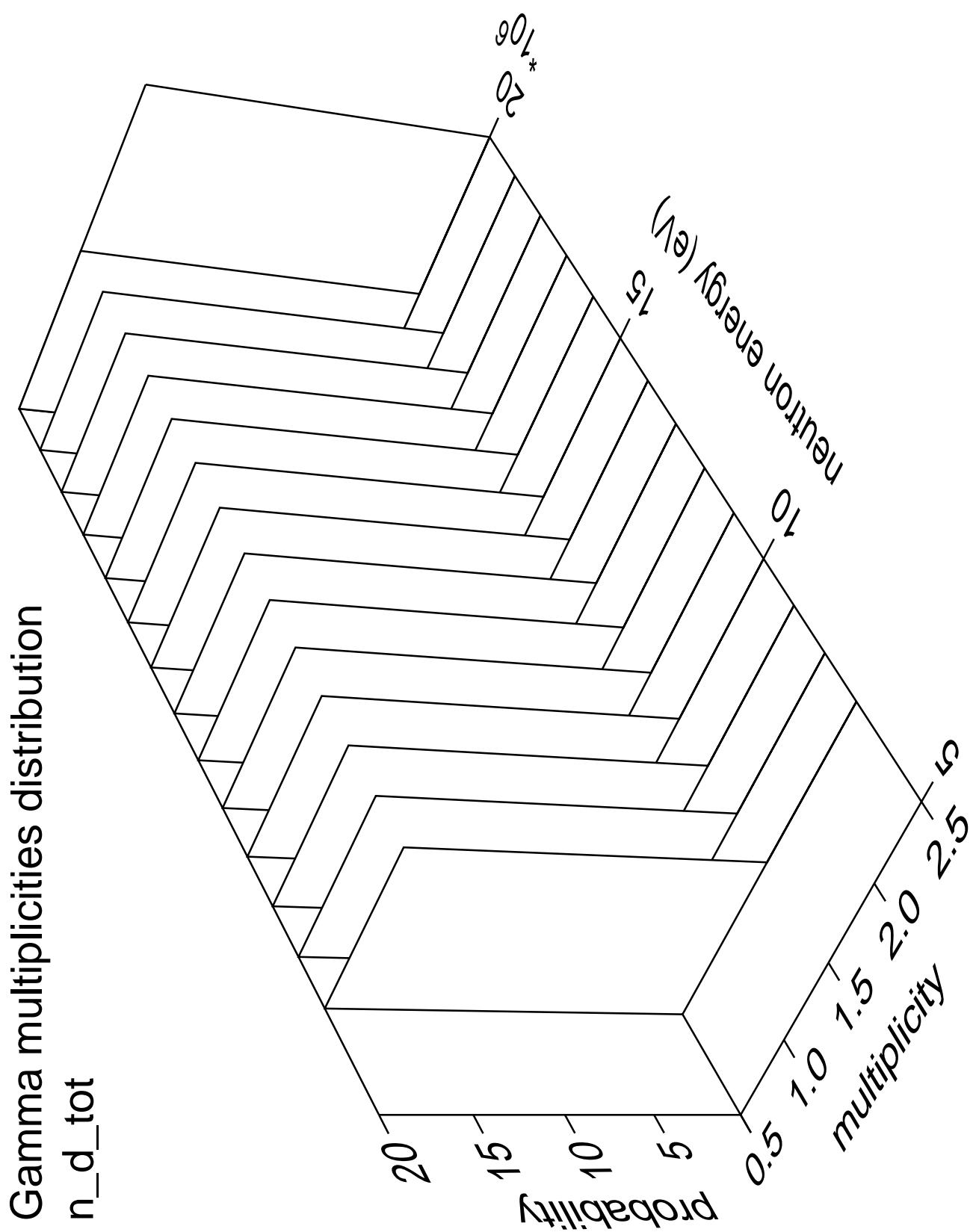
-1.0

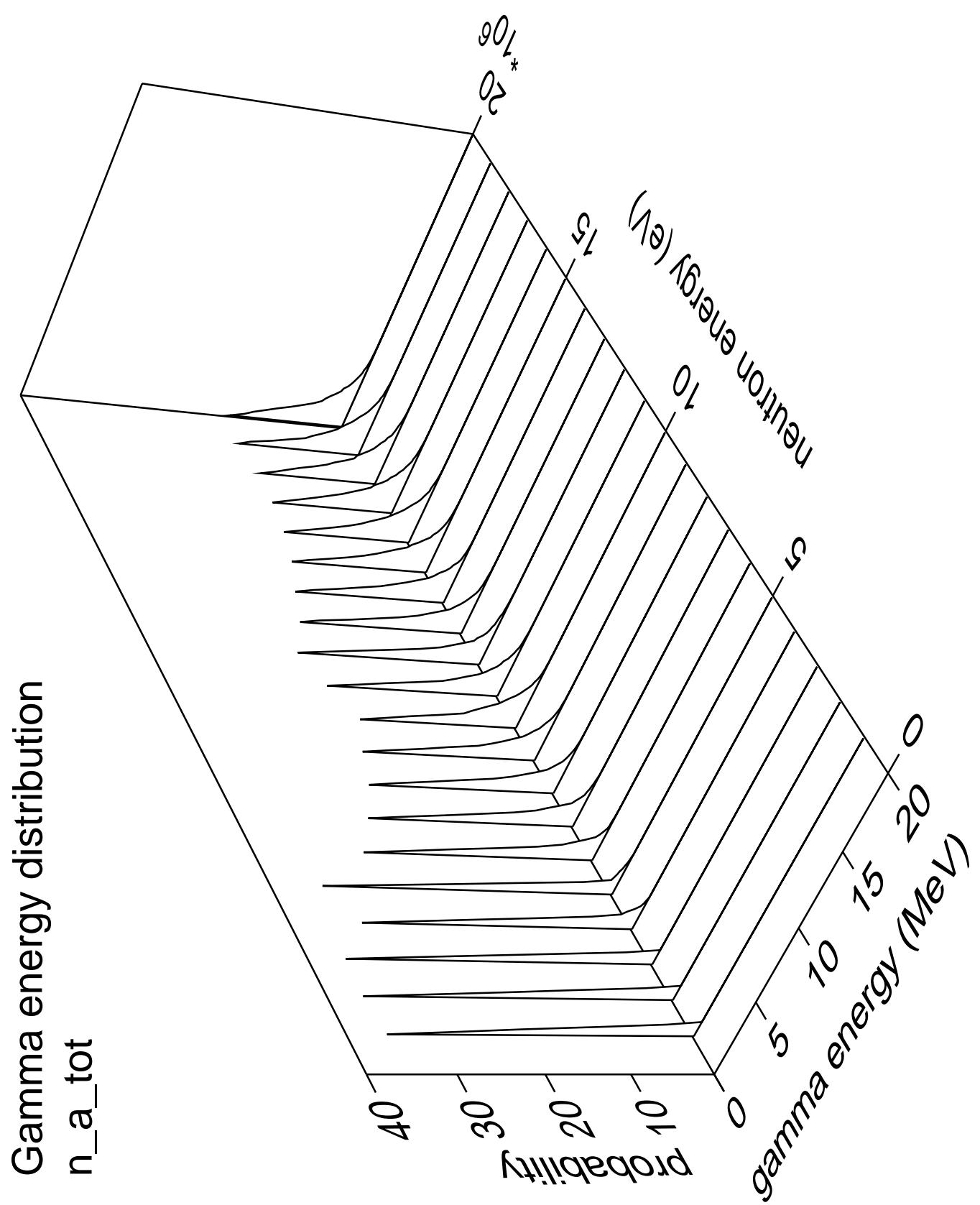
$\cos(\theta)$

1.0 0.5 0.0 -0.5 -1.0

neutron energy (eV)

10<sup>2</sup> 10<sup>4</sup> 10<sup>6</sup> 10<sup>8</sup> 10<sup>10</sup> 10<sup>12</sup> 10<sup>14</sup> 10<sup>16</sup> 10<sup>18</sup>





Gamma angles distribution

$n_a_{tot}$

